EPA Registration Number 524-616

MONSANTO

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August 23, 2016

Jerry W. Cubbage
Regulatory Affairs Manager
314-694-7350

Document Processing Desk (NOTIF)
Office of Pesticide Programs (7504P)
U.S. Environmental Protection Agency
One Potomac Yard
2777 South Crystal Drive, Room S4900
Arlington, VA 22202-4501

Attention: Kathryn Montague
PM Team 23

Subject: **Notification of Minor Revisions to Master Labeling per PR Notice 98-10 For M1768 Herbicide / XtendiMax™ With VaporGrip™ Technology EPA Reg. 524-617.**

Dear Ms. Montague:

Monsanto is herein notifying new Master Labeling for **M1768 Herbicide**, EPA Reg. No. 524-617. This new version supersedes the version previous approved on May 1, 2014.

The minor revisions in this version of the Master Labeling include the following:

1) Updated Registration Number
2) Added Alternate Brand Name (Notified previously on September 25, 2014)
3) Minor edits in Warranty statement

This notification is consistent with the provisions of PR Notice 98-10 and EPA regulations at 40 CFR 152.46, and no other changes have been made to the labeling or the confidential statement of formula of this product. I understand that it is a violation of 18 U.S.C. Soc. 1001 to willfully make any false statement to EPA. I further understand that if this notification is not consistent with the terms of PR Notice 98-10 and 40 CFR 152.46, this product may be in violation of FIFRA and I may be subject to enforcement action and penalties under sections 12 and14 of FIFRA.

Included in this submission are the following documents:

- Cover letter
- 8570-1 Application form
- Revised Master Labeling

Should you require any additional information or have any questions regarding this submission, please contact James Nyangulu (202)383-2866 at our Washington DC office, or me by direct telephone (314)694-7350, or electronic mail at jerry.w.cubbage@monsanto.com.

Sincerely,

Jerry W. Cubbage, Ph.D.
Regulatory Affairs Manager

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
WASHINGTON, DC 20460

OFFICE OF CHEMICAL SAFETY
AND POLLUTION PREVENTION

August 30, 2016

Jerry W. Cubbage
Monsanto Company
1300 I (eye) Street, NW
Washington DC, 20005

Subject: Notification per PRN 98-10 – Minor label revisions
Product Name: M1768 HERBICIDE
EPA Registration Number: 524-617
Application Date: 6/23/2016
Decision Number: 520693

Dear Mr. Cubbage:

The Agency is in receipt of your Application for Pesticide Notification under Pesticide Registration Notice (PRN) 98-10 for the above referenced product. The Registration Division (RD) has conducted a review of this request for its applicability under PRN 98-10 and finds that the action requested falls within the scope of PRN 98-10. The label submitted with the application has been stamped "Notification" and will be placed in our records.

Should you wish to add/retain a reference to the company's website on your label, then please be aware that the website becomes labeling under the Federal Insecticide Fungicide and Rodenticide Act and is subject to review by the Agency. If the website is false or misleading, the product would be misbranded and unlawful to sell or distribute under FIFRA section 12(a)(1)(E). 40 CFR 156.10(a)(5) list examples of statements EPA may consider false or misleading. In addition, regardless of whether a website is referenced on your product's label, claims made on the website may not substantially differ from those claims approved through the registration process. Therefore, should the Agency find or if it is brought to our attention that a website contains false or misleading statements or claims substantially differing from the EPA approved registration, the website will be referred to the EPA's Office of Enforcement and Compliance.

If you have any questions, you may contact Grant Rowland at 703-347-0254 or via email at rowland.grant@epa.gov

Sincerely,

Kathryn V. Montague

Kathryn Montague, Product Manager 23
Herbicide Branch
Registration Division (7505P)
Office of Pesticide Programs

MASTER LABEL FOR EPA REG. NO. 524-617

NOTIFICATION
524-617
The applicant has certified that no changes, other than those reported to the Agency have been made to the labeling. The Agency acknowledges this notification by letter dated:
08/30/2016

Primary Brand Name:

M1768 Herbicide

Alternate Brand Name:

Xtendimax™ With VaporGrip™ Technology

Table of Contents for Master Label

** See each label part for more detailed table of contents **

I. MAIN LABEL FOR EPA REG. No. 524-617

[INSERT BRAND NAME]

Herbicide

Complete Directions for Use

EPA Reg. Number: 524-617

For weed control in asparagus, conservation reserve programs, corn, cotton, fallow croplands, general farmstead (noncropland), sorghum, grass grown for seed, hay, proso millet, pasture, rangeland, small grains, sod farms and farmstead turf, soybean, and sugarcane.

Not all products recommended on this label are registered in California. Check the registration status of each product in California before using.

Read the entire label before using this product.

Use only according to label instructions.

Read the "LIMIT OF WARRANTY AND LIABILITY" statement at the end of the label before buying or using. If terms are not acceptable, return at once unopened.

Net contents:

EPA Establishment No.:

CONTENTS

1.0 INGREDIENTS

ACTIVE INGREDIENT:

Diglycolamine salt of dicamba (3,6-dichloro-o-anisic acid)* 42.8%
OTHER INGREDIENTS: 57.2%

TOTAL: 100.0%

* contains 29.0%, 3,6-dichlro-o-anisic acid (2.9 pounds acid equivalent per U.S. gallon or 350 grams per liter).

2.0 IMPORTANT PHONE NUMBERS

1. FOR PRODUCT INFORMATION OR ASSISTANCE IN USING THIS PRODUCT, CALL TOLL-FREE,

   1-800-332-3111.

2. IN CASE OF AN EMERGENCY INVOLVING THIS HERBICIDE PRODUCT, OR FOR MEDICAL ASSISTANCE, CALL COLLECT, DAY OR NIGHT,

   (314)-694-4000.

IN CASE OF SPILL:

Steps to be taken in case material is released or spilled:

Dike and contain the spill with inert material (sand, earth, etc.) and transfer liquid and solid diking material to separate containers for disposal. Remove contaminated clothing, and wash affected skin areas with soap and water. Wash clothing before re-use. Keep the spill out of all sewers and open bodies of water.

3.0 PRECAUTIONARY STATEMENTS

3.1 Hazards to Humans and Domestic Animals

Keep out of reach of children.

CAUTION!

Causes moderate eye irritation.. Avoid contact with eyes or clothing. Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum, using tobacco or using the toilet.

FIRST AID	
IF IN EYES	• Hold eye open and rinse slowly and gently with water for 15 to 20 minutes. • Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye. • Call a poison control center or doctor for treatment advice.
IF SWALLOWED:	• Call a poison control center or doctor immediately for treatment advice. • Have person sip a glass of water if able to swallow. • Do not induce vomiting unless told to do so by a poison control center or doctor. • Do not give anything to an unconscious person.
IF ON SKIN OR CLOTHING:	• Take off contaminated clothing. • Rinse skin immediately with plenty of water for 15 to 20 minutes. • Call a poison control center or doctor for treatment advice.
	•
• Have the product container or label with you when calling a poison control center or doctor, or going for treatment.	

- You can call **(314) 694-4000**,collect day or night, for emergency medical treatment information.
- This product is identified as **[INSERT BRAND NAME], EPA Registration No. 524-617.**

PERSONAL PROTECTIVE EQUIPMENT (PPE)
Some materials that are chemical-resistant to this product are nitrile rubber and butyl rubber. If you want more options, follow the instructions for Category C on an EPA chemical-resistance category selection chart.

All mixers, loaders, applicators and other handlers must wear:

- Long-sleeved shirt and long pants
- Chemical-resistant gloves
- Shoes plus socks

See "Engineering Controls Statement" for additional requirements.
Follow the manufacturer's instructions for cleaning and maintaining PPE. If no such instructions for washables exist, use detergent and hot water. Keep and wash PPE separately from other laundry.

ENGINEERING CONTROLS STATEMENT
When handlers use closed systems, or enclosed cabs in a manner that meets the requirements listed in the Worker Protection Standard (WPS) for agricultural pesticides [40 CFR 170.240 (d) (4-6)], the handler PPE requirements may be reduced or modified as specified in the WPS.

IMPORTANT: When reduced PPE is worn because a closed system is being used, handlers must be provided all PPE specified above for "all mixers, loaders, applicators and other handlers" and have such PPE immediately available for use in an emergency, such as a spill or equipment breakdown.

USER SAFETY RECOMMENDATIONS
Users should:

- Wash hands before eating, drinking, chewing gum, using tobacco or using the toilet.
- Remove clothing/PPE immediately if pesticide gets inside. Then wash thoroughly and put on clean clothing.
- Remove PPE immediately after handling this product. Wash the outside of gloves before removing. As soon as possible, wash thoroughly and change into clean clothing.

3.2 Environmental Hazards

Do not apply directly to water, or to areas where surface water is present or to intertidal areas below the mean high water mark. Do not contaminate water when disposing of equipment washwaters or rinsate. Apply this product only as directed on the label.

This chemical is known to leach through soil into ground water under certain conditions as a result of agricultural use. Use of this chemical in areas where soils are permeable, particularly where the water table is shallow, may result in ground water contamination.

GROUND AND SURFACE WATER PROTECTION

Point source contamination - To prevent point source contamination, do not mix or load this pesticide product within 50 feet of wells (including abandoned wells and drainage wells), sink holes, perennial or intermittent streams and rivers, and natural or impounded lakes and reservoirs. Do not apply pesticide product within 50 feet of wells. This setback does not apply to properly capped or plugged abandoned wells and does not apply to impervious pad or properly diked mixing/loading areas as described below.

Mixing, loading, rinsing, or washing operations performed within 50 feet of a well are allowed only when conducted on an impervious pad constructed to withstand the weight of the heaviest load that may be on or move across the pad. The pad must be self-contained to prevent surface water flow over or from the

pad. The pad capacity must be maintained at 110% that of the largest pesticide container or application equipment used on the pad and have sufficient capacity to contain all product spills, equipment or container leaks, equipment wash waters, and rainwater that may fall on the pad. The containment capacity does not apply to vehicles delivering pesticide shipments to the mixing/loading site. States may have in effect additional requirements regarding wellhead setbacks and operational containment.

Care must be taken when using this product to prevent: a) back siphoning into wells, b) spills or c) improper disposal of excess pesticide, spray mixtures or rinsates. Check valves or anti-siphoning devices must be used on all mixing equipment.

Movement by surface runoff or through soil - Do not apply under conditions which favor runoff. Do not apply to impervious substrates such as paved or highly compacted surfaces in areas with high potential for ground water contamination. Ground water contamination may occur in areas where soils are permeable or coarse and ground water is near the surface. Do not apply to soils classified as sand with less than 3% organic matter and where ground water depth is shallow. To minimize the possibility of ground water contamination, carefully follow application rate recommendations as affected by soil type in the Crop Specific Information section of this label.

Movement by water erosion of treated soil - Do not apply or incorporate this product through any type of irrigation equipment nor by flood or furrow irrigation. Ensure treated areas have received at least one-half inch rainfall (or irrigation) before using tailwater for subsequent irrigation of other fields.

ENDANGERED SPECIES CONCERNS

The use of any pesticide in a manner that may kill or otherwise harm an endangered species or adversely modify their habitat is a violation of federal law.

DIRECTIONS FOR USE

It is a violation of Federal law to use this product in any manner inconsistent with its labeling. This product can only be used in accordance with the Directions for Use on this label or in separately published Monsanto supplemental labeling. Supplemental labeling can be obtained from your Authorized Monsanto Retailer or Monsanto Company Representative. This labeling must be in the user's possession during application.

Do not apply this product in a way that will contact workers or other persons, either directly or through drift. Only protected handlers may be in the area during application. For any requirements specific to your State or Tribe, consult the agency responsible for pesticide regulations.

AGRICULTURAL USE REQUIREMENTS

Use this product only in accordance with its labeling and with the Worker Protection Standard, 40 CFR Part 170. This standard contains requirements for the protection of agricultural workers on farms, forests, nurseries, and greenhouses, and handlers of agricultural pesticides. It contains requirements for training, decontamination, notification, and emergency assistance. It also contains specific instructions and exceptions pertaining to the statements on this label about Personal Protective Equipment (PPE), and restricted-entry intervals. The requirements in this box only apply to uses of this product that are covered by the WPS.

Do not enter or allow worker entry into treated areas during the restricted-entry interval (REI) of 24 hours.

PPE required for early entry to treated areas that is permitted under the Worker Protection Standard and that involves contact with anything that has been treated, such as, plants, soil, or water is:

- Coveralls worn over short-sleeved shirt and short pants
- Chemical-resistant footwear plus socks
- Chemical-resistant gloves made of any waterproof material
- Chemical-resistant headgear for overhead exposure
- Protective eyewear

NON-AGRICULTURAL USE REQUIREMENTS

The requirements in this box apply to uses of this product that are NOT within the scope of the Worker Protection Standard for agricultural pesticides (40 CFR Part 170). The WPS applies when this product is used to produce agricultural plants on farms, forests, nurseries, or greenhouses.

Do not enter or allow people (or pets) to enter the treated area until sprays have dried. Do not apply this product in a way that will contact workers or other persons, either directly or through drift. Do not enter or allow other people or pets to enter until sprays have dried.

4.0 STORAGE AND DISPOSAL

Proper pesticide storage and disposal are essential to protect against exposure to people and the environment due to leaks and spills, excess product or waste, and vandalism. Do not allow this product to contaminate water, foodstuffs, feed or seed by storage and disposal.
Open dumping is prohibited. This product may not be mixed, loaded, or used within 50 feet of all wells including abandoned wells, drainage wells, and sinkholes.

PESTICIDE STORAGE

Groundwater contamination may be reduced by diking and flooring of permanent liquid bulk storage sites with an impermeable material. Spillage or leakage should be contained and absorbed with clay granules, sawdust, or equivalent material for disposal.
Store in original container in a well-ventilated and away from food, pet food, feed, seed, fertilizers, and veterinary supplies. Avoid cross-contamination with other pesticides. Keep container closed to prevent spills and contamination.\

PESTICIDE DISPOSAL

To avoid wastes, use all material in this container, including rinsate, by application according to label directions. If wastes cannot be avoided, offer remaining product to a waste disposal facility or pesticide disposal program. Such programs are often run by state or local governments or by industry. All disposal must be in accordance with applicable federal, state and local regulations and procedures.
[*Alternate PESTICIDE DISPOSAL statement for transport vehicles only:* To avoid wastes, empty as much product from this transport vehicle as possible for repackaging or use in accordance with label directions. If wastes cannot be avoided, offer remaining product or rinsate to a waste disposal facility or pesticide disposal program. All disposal must be in accordance with applicable federal, state and local regulations and procedures.]

CONTAINER HANDLING AND DISPOSAL: [*Optional label statement if applicable*: See container label for container handling and disposal instructions and refilling limitations.]

[*CONTAINER HANDLING AND DISPOSAL STATEMENTS AND REFILLING LIMITATIONS FOR CONTAINER LABELS*]

[*CONTAINER HANDLING AND DISPOSAL STATEMENT AND REFILLING LIMITATION FOR NONREFILLABLE RIGID CONTAINERS OF LESS THAN 1-GALLON CAPACITY*]

Nonrefillable container. Do not reuse or refill this container.

[*Alternate container statement:* Nonrefillable container. Do not reuse this container to hold materials other than pesticides or dilute pesticides (rinsate). After emptying and cleaning, it may be allowable to temporarily hold rinsate or other pesticide-related materials in the container. Contact your state regulatory agency to determine allowable practices in your state.]

Triple rinse this container promptly after emptying.

Triple rinse as follows: Empty the remaining contents into application equipment or a mix tank and drain for 10 seconds after the flow begins to drip. Fill the container ¼ full with water and recap. Shake for 10

seconds. Pour rinsate into application equipment or a mix tank or store rinsate for later use or disposal. Drain for 10 seconds after the flow begins to drip. Repeat this procedure two more times.

Then offer this container for recycling, if available. If recycling is not available, dispose of in accordance with federal, state and local regulations and procedures, which may include puncturing the properly rinsed container and disposing in a sanitary landfill.

[*Alternate container disposal statement:* Once properly rinsed, some agricultural plastic pesticide containers can be taken to a container collection site or picked up for recycling. To find the nearest site, contact your chemical dealer or Monsanto at 1-800-ROUNDUP (1-800-768-6387). If recycling is not available, dispose of in accordance with federal, state and local regulations and procedures, which may include puncturing the properly rinsed container and disposing in a sanitary landfill.]

[*CONTAINER HANDLING AND DISPOSAL STATEMENT AND REFILLING LIMITATION FOR NONREFILLABLE RIGID PLASTIC 2.5-GALLON CONTAINERS AND OTHER NONREFILLABLE CONTAINERS OF GREATER THAN 1-GALLON BUT EQUAL TO OR LESS THAN 5-GALLON CAPACITY*]

Nonrefillable container. Do not reuse this container to hold materials other than pesticides or dilute pesticides (rinsate). After emptying and cleaning, it may be allowable to temporarily hold rinsate or other pesticide-related materials in the container. Contact your state regulatory agency to determine allowable practices in your state.

[*Alternate container statement:* Nonrefillable container. Do not reuse or refill this container.]

Triple rinse or pressure rinse (or equivalent) this container promptly after emptying.

Triple rinse as follows: Empty the remaining contents into application equipment or a mix tank and drain for 10 seconds after the flow begins to drip. Fill the container ¼ full with water and recap. Shake for 10 seconds. Pour rinsate into application equipment or a mix tank or store rinsate for later use or disposal. Drain for 10 seconds after the flow begins to drip. Repeat this procedure two more times.

Pressure rinse as follows: Empty the remaining contents into application equipment or a mix tank and continue to drain for 10 seconds after the flow begins to drip. Hold container upside down over application equipment or mix tank or collect rinsate for later use or disposal. Insert pressure rinsing nozzle in the side of the container, and rinse at about 40 PSI for at least 30 seconds. Drain for 10 seconds after the flow begins to drip.

Once properly rinsed, some agricultural plastic pesticide containers can be taken to a container collection site or picked up for recycling. [*Optional container disposal statement:* To find the nearest site, contact your chemical dealer or Monsanto at 1-800-ROUNDUP (1-800-768-6387)]. If recycling is not available, dispose of in accordance with federal, state and local regulations and procedures, which may include puncturing the properly rinsed container and disposing in a sanitary landfill.

[*Alternate container disposal statement:* Then offer this container for recycling, if available. If recycling is not available, dispose of in accordance with federal, state and local regulations and procedures, which may include puncturing the properly rinsed container and disposing in a sanitary landfill.]

[*CONTAINER HANDLING AND DISPOSAL STATEMENT AND REFILLING LIMITATION FOR NONREFILLABLE RIGID PLASTIC 30-GALLON CONTAINERS AND OTHER NONREFILLABLE CONTAINERS OF GREATER THAN 5-GALLON CAPACITY*]

Nonrefillable container. Do not reuse or refill this container.

[*Alternate container statement:* Nonrefillable container. Do not reuse this container to hold materials other than pesticides or dilute pesticides (rinsate). After emptying and cleaning, it may be allowable to temporarily hold rinsate or other pesticide-related materials in the container. Contact your state regulatory agency to determine allowable practices in your state.]

Triple rinse or pressure rinse (or equivalent) this container promptly after emptying.

Triple rinse as follows: Empty the remaining contents into application equipment or a mix tank. Fill the container ¼ full with water. Replace and tighten closures. Tip container on its side and roll it back and forth, ensuring at least one revolution, for 30 seconds. Stand the container on its end and tip it back and forth several times. Turn the container over onto its other end and tip it back and forth several times. Empty the rinsate into application equipment or a mix tank or store rinsate for later use or disposal. Repeat this procedure two more times.

Pressure rinse as follows: Empty the remaining contents into application equipment or a mix tank and continue to drain for 10 seconds after the flow begins to drip. Hold container upside down over application equipment or mix tank or collect rinsate for later use or disposal. Insert pressure rinsing nozzle in the side of the container, and rinse at about 40 PSI for at least 30 seconds. Drain for 10 seconds after the flow begins to drip.

Once properly rinsed, some agricultural plastic pesticide containers can be taken to a container collection site or picked up for recycling. [*Alternate container disposal statement:* To find the nearest site, contact your chemical dealer or Monsanto at 1-800-ROUNDUP (1-800-768-6387)]. If recycling is not available, dispose of in accordance with federal, state and local regulations and procedures, which may include puncturing the properly rinsed container and disposing in a sanitary landfill.

[*Alternate container disposal statement:* Then offer the container for recycling, if available. If recycling is not available, dispose of in accordance with federal, state and local regulations and procedures, which may include puncturing the properly rinsed container and disposing in a sanitary landfill.]

[*Optional container label statement:* Return Properly Rinsed Container to Monsanto for Recycling Contact: 1-800-ROUNDUP (1-800-768-6387)]

[*CONTAINER HANDLING AND DISPOSAL STATEMENT AND REFILLING LIMITATION FOR ALL REFILLABLE CONTAINERS, EXCEPT TRANSPORT VEHICLES*]

Refillable container. Refill this container with pesticide only. Do not reuse this container for any other purpose.

Cleaning this container before refilling is the responsibility of the refiller. Cleaning this container before final disposal is the responsibility of the person disposing of the container.

To clean this container before final disposal, empty the remaining contents from this container into application equipment or a mix tank. Fill the container about 10 percent full with water. Agitate vigorously or recirculate water with the pump for 2 minutes. Pour or pump rinsate into application equipment or rinsate collection system. Repeat this rinsing procedure two more times. Then offer this container for recycling, if available.

[*Optional container disposal statement:* To obtain information about recycling refillable containers, contact Monsanto Company at 1-800-ROUNDUP (1-800-768-6387)]

[*Optional container label statement:* Return Properly Rinsed Container to Monsanto for Recycling, Call 1-800-ROUNDUP (1-800-768-6387)]

[*CONTAINER HANDLING AND DISPOSAL STATEMENT FOR ALL TRANSPORT VEHICLES AS DEFINED IN 40 CFR 156.3]*

THIS LABEL FOR USE WITH TRANSPORT VEHICLES ONLY

Emptied container retains vapor and product residue. Observe all precautions stated on this label until the container is cleaned, reconditioned or destroyed. Prior to refilling, inspect carefully for damage such as cracks, punctures, abrasions, and worn-out threads and closures. Clean thoroughly before reuse for transportation of a material of different composition or before retiring this transport vehicle from service.

[Alternative label statement: NET CONTENTS: See Bill of Lading]

[Alternative label statement: LOT: See Bill of Lading]

[Alternative label statement: For Net Contents and Lot Number, see Bill of Lading]

5.0 PRODUCT INFORMATION

Do not apply by air. This product is a water-soluble formulation intended for control and suppression of many annual, biennials, and perennial broadleaf weeds, as well as woody brush and vines listed in the WEEDS CONTROLLED section of this label. This product may be used for control of these weeds in asparagus, corn, cotton, conservation reserve programs, fallow cropland, grass grown for seed, hay, proso millet, pasture, rangeland, general farmstead (noncropland), small grains, sod farms and farmstead turf, sorghum, soybean, and sugarcane.

M1768 Herbicide is a postemergence, systemic herbicide which can have moderate residual control on small seeded broadleaf weeds, including waterhemp, lambsquarters and Palmer pigweed, depending on rainfall and soil type.

Refer to the CROP-SPECIFIC INFORMATION section for application timing and other crop-specific details.

[INSERT BRAND NAME] is readily absorbed by plants through shoot and root uptake, translocates throughout the plant's system, and accumulates in areas of active growth. **[INSERT BRAND NAME]** interferes with the plant's growth hormones (auxins) resulting in death of many broadleaf weeds.

[*Optional label text:* Do not add [*Optional label text:* surfactants, additives containing surfactants,] buffering agents or pH adjusting agents to the spray solution when **[INSERT BRAND NAME]** is the only pesticide being applied unless otherwise directed. See the MIXING section of this label for instructions regarding other additives.]

6.0 WEED RESISTANCE MANAGEMENT

GROUP	**4**	**HERBICIDE**

Dicamba mimics auxin (a plant hormone) resulting in a hormone imbalance in susceptible plants that interferes with normal cell division, cell enlargement, and protein synthesis. Dicamba active ingredient is a Group 4 herbicide based on the mode of action classification system of the Weed Science Society of America. Any weed population can contain plants naturally resistant to Group 4 herbicides. Weed species resistant to Group 4 herbicides can be effectively managed utilizing another herbicide from a different Group, or by using other cultural or mechanical practices..

6.1 Weed Management Practices

To minimize the occurrence of dicamba-resistant biotypes, observe the following weed management practices:

- Scout your fields before and after herbicide application.
- Start with a clean field, using either a burndown herbicide application or tillage.
- Control weeds early when they are relatively small (less than 4 inches).
- Incorporate other herbicides (e.g., a selective and/or a residual herbicide) and cultural practices (e.g., tillage or crop rotation) as part of your weed control system, where appropriate.
- Use the full recommended herbicide rate and proper application timing for the hardest to control weed species present in the field. Avoid tank mixtures with other herbicides that reduce the efficacy of this product (through antagonism), or with ones that encourage application rates of this product below those specified on this label.
- Control weed escapes before they reproduce by seed or proliferate vegetatively.
- Clean equipment before moving from field to field to minimize the spread of weed seed or plant parts.
- Use new commercial seed that is as free of weed seed as possible.
- Use good agronomic principles that enhance crop development and crop competitiveness.
- Report any incidence of repeated non-performance of this product on a particular weed to your Monsanto representative, local retailer, or county extension agent.

6.2 Management of Dicamba-Resistant Biotypes

Appropriate testing is critical in order to determine if a weed is resistant to dicamba. Contact your Monsanto representative to determine if resistance in any particular weed biotype has been confirmed in your area, or visit on the Internet www.weedresistancemanagement.com or www.weedscience.org.

Since the occurrence of new dicamba-resistant weeds cannot be determined until after product use and scientific confirmation, Monsanto Company is not responsible for any losses that result from the failure of this product to control dicamba-resistant weed biotypes.

The following good agronomic practices can reduce the spread of confirmed dicamba-resistant biotypes:

- If a naturally occurring resistant biotype is present in your field, this product may be tank-mixed or applied sequentially with an appropriately labeled herbicide with a different mode of action to achieve control.
- Cultural and mechanical control practices (e.g., crop rotation or tillage) can also be used as appropriate.
- Scout treated fields after herbicide application and control weed escapes, including resistant biotypes, before they set seed.
- Thoroughly clean equipment before leaving fields known to contain resistant biotypes.

7.0 MIXING

7.1 Compatibility Test for Mix Components

Before mixing components, always perform a compatibility jar test.

- For 20 gallons per acre spray volume, use 3.3 cups (800 mL) of water. For other spray volumes, adjust rates accordingly. Only use water from the intended source at the source temperature.
- Add components in the sequence indicated in the Mixing Order section below using 2 teaspoons for each pound or 1 teaspoon for each pint of labeled use rate per acre.
- Cap the jar and invert 10 cycles between component additions.
- When the components have all been added to the jar, let the solution stand for 15 minutes.
- Evaluate the solution for uniformity and stability. The spray solution should not have free oil on the surface; fine particles that precipitate to the bottom; or thick (clabbered) texture. If the spray solution is not compatible, repeat the compatibility test with the addition of a suitable compatibility agent. If the solution is then compatible, use the compatibility agent as directed on its label. If the solution is still incompatible, then do not mix the ingredients in the same tank.

7.2 Mixing Order

1. Water - Begin by agitating a thoroughly clean sprayer tank three-quaters full of clean water.
2. Agitation - Maintain constant agitation throughout mixing and application.
3. Inductor - If an inductor is used, rinse it thoroughly after each component has been added.
4. Products in PVA bags - Place any product contained in water-soluble PVA bags into the mixing tank. Wait until all water-soluble PVA bags have fully dissolved and the product is evenly mixed in the spray tank before continuing.
5. Water-dispersible products (dry flowables, wettable powders, suspension concentrates, or suspo-emulsions)
6. Water-soluble products (such as [INSERT BRAND NAME])
7. Emulsifiable concentrates (such as oil concentrate when applicable)
8. Water-soluble additives (when applicable)
9. Remaining quantity of water.

Maintain constant agitation during application

7.3 Tank Mixtures

This product may be tank-mixed with other registered herbicides to provide longer residual weed control, a broader weed control spectrum or an alternate mode of action. Always read and follow label directions for all products in the tank mixture.

Some tank-mix products have the potential to cause crop injury under certain conditions, at certain growth stages and/or under other circumstances. Read the label for all products to be used in the tank mixture prior to use to determine the potential for crop injury.

Tank mixtures with other herbicides, insecticides, fungicides, miticides, additives, micronutrients or foliar fertilizers could result in reduced weed control, physical incompatibility or crop injury. Monsanto has not tested all tank-mix product formulations for compatibility, antagonism or reduction in product performance. Unless prohibited by law, buyer and all users are solely responsible for any and all loss or damage in connection with the use or handling of mixtures of this product with herbicides or other materials that are not expressly specified on this label or in separate supplemental labeling or Fact Sheets published for this product.

Refer to the tank mix product labels to confirm that the respective tank mix products are registered for the specific crop use. Refer to all individual product labels, supplemental labeling and Fact Sheets for all products in the tank mixture, and observe all precautions and limitations on the label, including application timing restrictions, soil restrictions, minimum re-cropping intervals and rotational guidelines. Use according to the most restrictive precautionary statements for each product in the tank mixture. See the CROP-SPECIFIC INFORMATION section for more details.

Always predetermine the compatibility of all tank-mix products together in the carrier by mixing small proportional quantities in advance.

Apply this product or tank mixtures with this product at a minimum spray volume rate of 10 GPA.

[*Optional label statement*: The herbicide products listed may be applied with **M1768 Herbicide** according to the specific tank mixing instructions in this label and respective product labels:

Accent® (nicosulfuron)
Acquire™ (glyphosate)
Ally® (metsulfuron-methyl)
Amber® (triasulfuron)
Asulox® (asulam)
Atrazine
Authority® Assist (sulfentrazone + imazethapyr)

Authority® XL (sulfentrazone + chlorimuron ethyl)
Axiom™ (flufenacet + metribuzin)
Banvel® SGF (dicamba)
Basagran® (bentazon)
Beacon® (primisulfuron-methyl)
Bicep II Magnum® (s-metolachlor + atrazine)
Bronate® (bromoxynil + MCPA)
Bronco® (alachlor + glyphosate)
Buctril® (bromoxynil)
Bullet® (alachlor + atrazine)
Canvas® (thifensulfuron + tribenuron + metsutfuron)
Caparol® (prometryn)
Crossbow® (2,4-D + triclopyr)
Curtail® (clopyralid + 2,4-D)
Cyclone® (paraquat)
Dakota® (fenoxaprop + MCPA)
Degree™ (acetochlor)
Degree Xtra™ (acetochlor + atrazine)
DoublePlay® (acetochlor + EPTC)
Dual Magnum™ (s-metolachlor)
Dual II Magnum® (s-metolachlor + atrazine)
Eradicane® (EPTC)
Evik® (ametryn)
Exceed® (primisulfuron + prosulfuron)
Express® (thifensulfuron + tribenuron-methyl)
Extrazine® II (cyanazine + atrazine)
Fallow Master® (glyphosate + dicamba)
Field Master™ (acetochlor + atrazine + glyphosate)
Fierce® (flumioxazin + pyroxasulfone)
Finesse® (chlorsulfuron + metsufuron-methyl)
Frontier® (dimethenamid)
FulTime™ (acetochlor + atrazine)
Gangster® (flumioxazin + cloransulam-methyl)
Garlon® (triclopyr)
Glean®® (chlorsulfuron)
Gramoxone® Extra (paraquat)
Guardsman® (dimethenamid + atrazine)
Harmony® Extra (thifensulfuron + tribenuron-methyl)
Harness® (acetochlor)
Harness® Xtra (acetochlor + atrazine)
Hornet™ (flumetsalam + c1opyralid)
Karmex® (diuron)
Kerb® (pronamide)
Laddok® S-12 (bentazon + atrazine)
Landmaster® BW (glyphosate + 2,4-D)
Lariat® (alachlor + atrazine)
Lasso® (alachlor)
Lexone® (metribuzin)
Liberty® (glufosinate)
Lightning® (imazethapyr + imazapyr)
Marksman® (dicamba + atrazine)
MCPA
Outlook™ (dimethenamid-P)
Paramount® (quinclorac)
Partner® (alachlor)
Peak® (prosulfuron)

Permit® (halosulfuron)
Princep® (simazine)
Prowl® (pendimethalin)
Python™ (flumetsulam)
Ramrod® (propachlor)
Roundup WeatherMAX® (glyphosate)
Roundup PowerMAX® (glyphosate)
RT 3® (glyphosate)
Sencor® (metribuzin)
Spirit™ (primisulfuron + prosulfuron)
Stinger® (clopyralid)
Surpass® (acetochlor)
Sutan® + (butylate)
Tiller® (fenoxaprop-ethyl + MCPA + 2,4-D)
TopNotch™ (acetochlor)
Tordon® 22K (picloram)
Touchdown® (sulfosate)
Tough® (pyridate)
Valor ® (flumioxazin)
2,4-D

This product may also be used in tank mixtures with foliar applied insecticides including synthetic pyrethroids such as Ambush®, Asana®, Pounce® and Warrior® insecticides or with the carbamate insecticide Furadan®. Do not apply in tank mixtures with Lorsban® insecticide.]

7.4 Surfactants and Adjuvants

Although not always required, surfactant may be added to spray solutions of this product.

A quality nonionic surfactant (NIS) of at least 70% active may be added to the spray solution at 0.25 percent surfactant concentration (1 quart per 100 gallons of spray solution). Read and carefully observe all caution statements and other information on the surfactant label.

Do not add acidifying buffering agents, acidic pH adjusting agents or adjuvants other than agriculturally approved NIS to the spray solution.

Instead of NIS, oil concentrate surfactants such as crop oil concentrate (COC), high surfactant oil concentrate (HSOC) or methylated seed oil (MSO) may be used at 1 to 2 quarts/100 gallons (0.5% to 1% v/v), but at least 1 pint/acre. Do not use crop oil concentrates (COC) or methylated seed oils (MSO) as adjuvants when this product is applied with a Roundup Brand Agricultural Herbicide. When **M1768 Herbicide** is used with another herbicide that requires the use of a COC or MSO adjuvant follow the label instructions of that product.

A crop oil concentrate must contain either a petroleum or vegetable oil base and must meet all of the following criteria:

- be nonphytotoxic,
- contain only EPA-exempt ingredients,
- provide good mixing quality in the jar test, and
- be successful in local experience.]

The exact composition of suitable products will vary; however, vegetable and petroleum oil concentrates should contain emulsifiers to provide good mixing quality. Highly refined vegetable oils have proven more satisfactory than unrefined vegetable oils.

[*Optional label statement*: Adjuvants containing crop oil concentrates may be used in preplant, pre-emergence, and preharvest application, as well as in pastures and noncropland. Do not use crop oil

concentrate for postemergence in-crop applications unless specifically allowed in section 10 Crop-Specific Information of this label or in separate supplemental labeling.]

7.5 Drift Reduction Additives

Nozzle selection is one of the most important parameters for drift reduction. A drift reduction additive may be used with this product to further reduce fine droplets. Not all drift reduction additives are compatible with every nozzle type and pesticide / adjuvant combination. Check with the additive manufacturer to insure that the drift additive will work properly with the spray nozzle, spray pressure and your specific spray solution.

Read and carefully observe all precautions, limitations and all other information on the product label.

8.0 APPLICATION EQUIPMENT AND TECHNIQUES

DO NOT APPLY THIS PRODUCT USING AERIAL SPRAY EQUIPMENT .

M1768 Herbicide can be applied to actively growing weeds as broadcast, band, or spot spray applications using water or sprayable fertilizer as a carrier. Control weeds early when they are relatively small (less than 4 inches). Timely application to small weeds early in the season will improve control and reduce weed competition. Refer to table 1 for general **[INSERT BRAND NAME]** application rates for control or suppression by weed type and growth stage. For crop-specific application timing and other details, refer to the CROP-SPECIFIC INFORMATION section of this label.

APPLY THIS PRODUCT USING PROPERLY MAINTAINED AND CALIBRATED EQUIPMENT CAPABLE OF DELIVERING THE DESIRED VOLUMES.

CULTIVATION Do not cultivate within 7 days after applying this product.

8.1 Spray Drift Management

Do not allow herbicide solution to mist, drip, drift or splash onto desirable vegetation because severe injury or destruction to desirable broadleaf plants could result. The following drift management requirements must be followed to ensure application accuracy from ground application onto agricultural field crops.

Controlling Droplet Size

The most effective way to reduce drift potential is to apply large droplets that provide sufficient coverage and control. Applying larger droplets reduces drift potential, but will not prevent drift if the application is made improperly, or under unfavorable environmental conditions (see the **"Wind Speed and Direction", "Temperature and Humidity"** and **"Temperature Inversions"** sections of this label).

- **Nozzle type.** Use only spray nozzles that produce very coarse to ultra coarse spray droplets and minimal amounts of fine spray droplets as defined by the American Society of Agricultural and Biological Engineers (ASABE S-572.1). Do not use conventional flat fan nozzles that produce an excessive amount of driftable fines. Common examples are the TeeJet® XR and Turbo Teejet.

  Check nozzle manufacturer's recommendations to determine the proper droplet spectrum, operating pressure, boom height, nozzle spacing and ground speed that will deliver the desired droplet size and spray volume of at least 10 GPA for the nozzle selected that will produce a very coarse to ultra coarse spray droplet.

- **Spray Pressure.** Adjust pressure for selected nozzles according to the nozzle manufacturer to maintain very coarse to ultra coarse droplets. Use sufficient spray pressure with air induction nozzles to ensure a good spray pattern, while maintaining very coarse to ultra coarse droplets; use at least 30 psi to ensure proper pattern overlap. Confirm that sprayer rate controller hardware

(if so equipped) does not increase pressure above the desired range. Calibrate the flow rate for the selected nozzles on the equipment used to apply this product.

- **Spray Volume.** Apply this product in a minimum of 10 gallons of spray solution per acre. Use a higher spray volume when treating dense vegetation. Higher spray volumes also allow the use of larger nozzle orifices (sizes) which produce coarser spray droplets along with a lower percentage of driftable fines.

- **Equipment Ground Speed.** Select a ground speed less than 15 miles per hour that will deliver the desired spray volume while maintaining the desired spray pressure. Slower speeds generally result in better spray coverage and deposition on the target area.

- **Spray boom Height.** Spray at the appropriate boom height based on nozzle selection and nozzle spacing (not more than 24 inches above target pest or crop canopy). Set boom to lowest effective height over the target pest or crop canopy based on equipment manufacturer's directions. For example, the 110° series nozzle is preferred as it allows for the lowest boom height (maximum of 20 inches above the target pest or crop canopy). Automated boom height controllers are recommended with large booms to better maintain optimum nozzle to canopy height. Excessive boom height will increase the potential for spray drift.

Temperature and Humidity
When making applications in low relative humidity, set up equipment to produce larger droplets to compensate for evaporation. Droplet evaporation is most severe when conditions are both hot and dry.

Temperature Inversions. Do not apply during a temperature inversion because off-target movement potential is high.

- During a temperature inversion, the atmosphere is very stable and vertical air mixing is restricted, which causes small, suspended droplets to remain in a concentrated cloud. This cloud can move in unpredictable directions due to the light, variable winds common during inversions.
- Temperature inversions are characterized by increasing temperatures with altitude and are common on evenings and nights with limited cloud cover and light to no wind. Cooling of air at the earth's surface takes place and warmer air is trapped above it. They begin to form as the sun sets and often continue into the morning.
- Their presence can be indicated by ground fog; however, if fog is not present, inversions can also be identified by the movement of smoke from a ground source or an aircraft smoke generator. Smoke that layers and moves laterally in a concentrated cloud (under low wind conditions) indicates an inversion, while smoke that moves upward and rapidly dissipates indicates good vertical air mixing.
- The inversion will dissipate with increased winds (above 3 miles per hour) or at sunrise when the surface air begins to warm (generally 3°F from morning low).

Wind Speed and Direction

- Drift potential is lowest between wind speeds of 3 to 10 miles per hour.
- If the wind speed is 3 miles per hour or less and fog is present, indicating a temperature inversion, do not apply this product.
    - If fog is not present, conduct a smoke test. Smoke that moves upward confirms there is no inversion present whereas smoke that layers and moves laterally in a concentrated cloud indicates a temperature inversion exists. Do not apply this product during a temperature inversion. Wait until the temperature has risen at least 3 degrees Fahrenheit from the morning low temperature or the wind speed is greater than 3 miles per hour to ensure that any inversion has lifted.
- Do not spray this product when the wind is blowing in the direction of a sensitive area at a wind speed greater than 10 miles per hour.
- For wind speed and direction restrictions for application of this product see the table below:

Wind speed	Application conditions and restrictions
<3 mph	Do not apply this product if temperature inversion exists
3-10 mph	Optimum conditions for application of this product.
>10 – 15 mph	Do not apply this product when wind is blowing toward sensitive areas
> 15 mph	Do not apply this product

NOTE: Local terrain can influence wind patterns. Every applicator must be familiar with local wind patterns and how they affect drift.

Sensitive Areas

Sensitive areas include known habitat for threatened or endangered species, non-target sensitive crop, residential areas, and greenhouses.

Applicators are required to ensure that they are aware of the proximity to sensitive areas, to avoid potential adverse effects from off-target movement of **[INSERT BRAND NAME]**. The applicator must survey the application site for neighboring sensitive areas prior to application. The applicator also should consult sensitive crop registries for locating sensitive areas where available.

Failure to follow the requirements in this label, could result in severe injury or destruction to desirable sensitive crops and trees, particularly beans, cotton, flowers, fruit trees, grapes, ornamentals, peas, potatoes, soybeans, sunflowers, tobacco, tomatoes, and other broadleaf plants when contacting their roots, stems or foliage.

Application Awareness
AVOIDING SPRAY DRIFT AT THE APPLICATION SITE IS THE RESPONSIBILITY OF THE APPLICATOR.
The interaction of equipment and weather related factors must be monitored to maximize performance and on-target spray deposition. The applicator is responsible for considering all of these factors when making a spray decision.

8.2 Ground Application (Banding)

When applying **M1768 Herbicide** by banding, determine the amount of herbicide and water volume needed using the following formula:

$$\frac{\text{Bandwidth in inches}}{\text{Row width in inches}} \times \text{Broadcast rate per acre} = \text{Banding herbicide rate per acre}$$

$$\frac{\text{Bandwidth in inches}}{\text{Row width in inches}} \times \text{Broadcast volume per acre} = \text{Banding water volume per acre}$$

8.3 Ground Application (Broadcast)

Water Volume: Use a minimum of 10 gallons of spray solution per broadcast acre for optimal performance. Use the higher spray volume (20 gallons per acre) when treating dense or tall vegetation.

Application Equipment: Select nozzles designed to produce minimal amounts of fine spray particles. Spray with nozzles as close to the weeds as practical for good weed coverage.

8.4 Ground Application (Wipers)

M1768 Herbicide may be applied through wiper application equipment to control or suppress actively growing broadleaf weeds, brush and vines. Use a solution containing 1 part **M1768 Herbicide** to 1 part water. Do not apply greater than 1 lb dicamba acid equivalent (1 quart of this product) per acre per application. Do not contact desirable vegetation with herbicide solution. Wiper application may be made to crops (including pastures) and non-cropland areas described in this label with the exception of cotton, sorghum, and soybean.

Table 1. M1768 Herbicide Application Rates for Control or Suppression by Weed Type and Growth Stage

Use rate limitations are given in sections 9 (RESTRICTIONS) and 10 (CROP-SPECIFIC INFORMATION)

Weed Type and Stage	Rate Per Acre	Weed Type and Stage	Rate Per Acre
Annual[1]		**Perennial**	
Small, actively growing	11 – 22 fluid ounces	Top growth suppression	11 – 22 fluid ounces
		Top growth control and root suppression	22 – 44 fluid ounces
Established weed growth	22 – 33 fluid ounces	Noted perennials (footnote 1 in Section 10.0).	44 fluid ounces
		Other perennials[3]	44 fluid ounces
Biennial		**Woody Brush & Vines**	
Rosette diameter 1 – 3"	11 – 22 fluid ounces	Top growth suppression	22 – 44 fluid ounces
		Top growth control[2,3]	44 fluid ounces
Rosette diameter 3" or more	22 – 44 fluid ounces	Stems and stem suppression[3]	44 fluid ounces
Bolting	44 fluid ounces		

[1] Rates below 11 fluid ounces per acre may provide control or suppression but should typically be applied with other herbicides that are effective on the same species and biotype.
[2] Species noted in **Table 1** will require tank mixes for adequate control.
[3] Do not broadcast apply more than 44 fluid ounces per acre in any single application. One sequential application of up to 44 fluid ounces may be required for adequate control. Use the higher level listed rate ranges when treating dense vegetative growth or perennial weeds with well established root growth.

8.5 Proper Spray System Equipment Cleanout

Minute quantities of dicamba can cause injury to sensitive crops (see the "**Sensitive Areas**" section of this label for a listing of sensitive crops).

Clean equipment immediately after using this product, using a triple rinse procedure as follows:

1. After spraying, drain the sprayer (including boom and lines) immediately. Do not allow the spray solution to remain in the spray boom lines overnight prior to flushing.
2. Flush tank, hoses, boom and nozzles with clean water.
3. Inspect and clean all strainers, screens and filters.
4. Prepare a cleaning solution with a commercial detergent or sprayer cleaner or ammonia according to the manufacturer's directions.
5. Take care to wash all parts of the tank, including the inside top surface. Start agitation in the sprayer and thoroughly recirculate the cleaning solution for at least 15 minutes. All visible deposits must be removed from the spraying system.
6. Flush hoses, spray lines and nozzles for at least 1 minute with the cleaning solution.
7. Repeat above steps for two additional times to accomplish an effective triple rinse.

8. Remove nozzles, screens and strainers and clean separately in the cleaning solution after completing the above procedures.
9. Appropriately dispose of rinsate from steps 1-7 in compliance with all applicable laws and regulations.
10. Drain sump, filter and lines.
11. Rinse the complete spraying system with clean water.

All rinse water must be disposed of in compliance with local, state, and federal guidelines.

9.0 RESTRICTIONS

Maximum Application Rates: The maximum application or use rates stated throughout this label are given in units of volume (fluid ounces or quarts) of this product per acre. However, the maximum allowed application rates apply to this product combined with the use of any and all other herbicides containing the active ingredients dicamba, whether applied separately or as a tank mixture, on a basis of total pounds of dicamba (acid equivalents) per acre. If more than one dicamba-containing product is applied to the same site within the same year, you must ensure that the total use of dicamba (pounds acid equivalents) does not exceed the maximum allowed. See the INGREDIENTS section of this label for necessary product information.

Maximum seasonal use rate: Refer to Table 2. Crop-Specific Restrictions for crop-specific maximum seasonal use rates. Do not exceed 88 fluid ounces of **M1768 Herbicide** (2 pounds acid equivalent) per acre, per year.

Preharvest Interval (PHI): Refer to the CROP-SPECIFIC INFORMATION section for preharvest intervals.

Restricted Entry Interval (REI): 24 hours

Crop Rotational Restrictions

The interval between application of this product and the planting of other crops in a crop rotation program is given below. When counting days from the application of this product, do not count days when the ground is frozen. Planting at intervals less than specified in this section could result in crop injury. Moisture is essential for the degradation of this herbicide in soil. If dry weather prevails, use cultivation to allow herbicide contact with moist soil.

Planting/replanting restrictions at application rates of 33 fluid ounces of this product per acre or less: Follow the planting restrictions in the directions for use for Preplant application in the Crop Specific Information section of this label. Do not plant barley, oat, wheat, and other grass seedings for 15 days for every 11 fluid ounces of this product applied per acre east of the Mississippi River and 22 days for every 11 fluid ounces per acre applied west of the Mississippi River. No planting restrictions apply beyond 120 days after application of this product.

Planting/replanting restrictions at application rates of more than 33 fluid ounces and up to 88 fluid ounces of this product per acre: Wait a minimum of 120 days after application of this product before planting corn, sorghum and cotton east of the Rocky Mountains and before planting all other crops grown in areas receiving 30 inches or more rainfall annually. Wait a minimum of 180 days before planting crops in areas with less than 30 inches of annual rainfall. Wait a minimum of 30 days for every 22 fluid ounces of this product applied per acre before planting barley, oat, wheat, and other grass seedings east of the Mississippi River and 45 days for every 22 fluid ounces of this product applied per acre west of the Mississippi River.

Rainfast period: Rainfall or irrigation occurring within 4 hours after postemergence applications may reduce the effectiveness of this product.

Stress: Do not apply to crops under stress due to lack of moisture, hail damage, flooding, herbicide injury, mechanical injury, insects, or widely fluctuating temperatures as injury may result.

Do not apply through any type of irrigation equipment. Do not treat irrigation ditches or water used for crop irrigation or domestic purposes.

Table 2. Crop-Specific Restrictions[1]

Crop	Maximum Rate Per Acre Per Application (fl oz)	Maximum In-Crop Rate Pre Acre Per Season (fl oz)	Livestock Grazing or Feeding
Asparagus	22	22	Yes
Barley; Fall Spring	11 11	16.5 15	Yes
Conservation Reserve Program (CRP)	44	88	Yes
Corn	22	33	Yes[2]
Cotton	11	11	Yes
Fallow Ground	44	88	Yes
Grass grown for seed	44	88	Yes
Oats	5.5	5.5	Yes
Pastureland	44	44	Yes
Proso Millet	5.5	5.5	Yes
Small grains grown for grass, forage, fodder, hay and/or pasture	22	22	Yes
Sorghum	11	22	Yes

Soybean	44	44	Yes
Sugarcane	44	88	Yes
Triticale	5.5	5.5	Yes
Sod farms and farmstead turf	44	44	Yes
Wheat	11	22	Yes

[1] Refer to section **10. CROP-SPECIFIC INFORMATION** for more details.
[2] Once the crop reaches the ensilage (milk) stage or later in maturity

10.0 CROP-SPECIFIC INFORMATION

10.1 Asparagus

Apply **M1768 Herbicide** to emerged and actively growing weeds in 40 - 60 gallons of diluted spray per treated acre immediately after cutting the field, but at least 24 hours before the next cutting. Multiple applications may be made per growing season.

If spray contacts emerged spears, crooking (twisting) of some spears may result. If such crooking occurs, discard affected spears.

Rates: Apply 11-22 fluid ounces of **M1768 Herbicide** to control annual sowthistle, black mustard, Canada and Russian thistle, and redroot pigweed (carelessweed).

Apply 22 fluid ounces of **M1768 Herbicide** to control common chickweed, field bindweed, nettleleaf goosefoot, and wild radish. Up to 2 applications may be made per growing season. Do not exceed a total of 22 fluid ounces of **M1768 Herbicide** per treated acre, per crop year.

Do not harvest prior to 24 hours after treatment.

Do not use in the Coachella Valley of California.

Asparagus Tank Mixes

Apply 11-22 fluid ounces of **M1768 Herbicide** with glyphosate or 2,4-D to improve control of Canada thistle and field bindweed.

10.2 Between Crop Applications

Preplant Directions (Postharvest, Fallow, Crop Stubble, Set-Aside) for Broadleaf Weed Control:

M1768 Herbicide can be applied either postharvest in the fall, spring, or summer during the fallow period or to crop stubble/set-aside acres. Apply **M1768 Herbicide** as a broadcast or spot treatment to emerged and actively growing weeds after crop harvest (postharvest) and before a killing frost or in the fallow cropland or crop stubble the following spring or summer.

See the RESTRICTIONS section for the recommended interval between application and planting to prevent crop injury.

Rates and Timings:

Apply 5.5 – 44 fluid ounces of **M1768 Herbicide** per acre. Refer to **Table 1** to determine use rates for specific targeted weed species. For best performance, apply **M1768 Herbicide** when annual weeds are less than 4" tall, when biennial weeds are in the rosette stage and to perennial weed regrowth in late summer or fall following a mowing or tillage treatment. The most effective control of upright perennial broadleaf weeds such as Canada thistle and Jerusalem artichoke occurs if **M1768 Herbicide** is applied when the majority of weeds have at least 4 - 6" of regrowth or for weeds such as field bindweed and hedge bindweed that are in or beyond the full bloom stage.

Avoid disturbing treated areas following application. Treatments may not kill weeds that develop from seed or underground plant parts such as rhizomes or bulblets, after the effective period for **M1768 Herbicide**. For seedling control, a follow-up program or other cultural practices could be instituted. For small grain in-crop uses of **M1768 Herbicide**, refer to the small grain section for details.

Between Crop Tank Mixes

In tank mixes with one or more of the following herbicides, apply 5.5 - 22 fluid ounces of **M1768 Herbicide** per acre for control of annual weeds, or 22 - 44 fluid ounces of **M1768 Herbicide** per acre for control of biennial and perennial weeds:

Acquire™
Ally®
Amber®
Atrazine
Curtail®
Cyclone®
Fallow Master®
Finesse®
Roundup WeatherMAX® (glyphosate)
Roundup PowerMAX® (glyphosate)
RT 3® (glyphosate)
Gramoxone® Extra
Kerb®
Landmaster® BW
Paramount®
Sencor®
Tordon® 22K
Touchdown®
2,4-D

10.3 Corn (Field, Pop, Seed, And Silage)

Direct contact of **M1768 Herbicide** with corn seed must be avoided. If corn seeds are less than 1.5" inches below the surface, delay application until corn has emerged.

Applications of **M1768 Herbicide** to corn during periods of rapid growth may result in temporary leaning. Corn will usually become erect within 3 to 7 days. Cultivation should be delayed until after corn is growing normally to avoid breakage.

Corn may be harvested or grazed for feed once the crop has reached the ensilage (milk) stage or later in maturity.

Up to 2 applications of **M1768 Herbicide** may be made during a growing season. Sequential applications must be separated by 2 weeks or more.

Do not apply **M1768 Herbicide** to seed corn or popcorn without first verifying with your local seed corn company (supplier) the selectivity of **M1768 Herbicide** on your inbred line or variety of popcorn. This precaution will help avoid potential injury of sensitive varieties.

Avoid using crop oil concentrates after crop emergence as crop injury may result. Use crop oil concentrates only in dry conditions when corn is less than 5" tall and when applying **M1768 Herbicide** alone or tank mixed with atrazine.

Use of sprayable fluid fertilizer as the carrier is not recommended for applications of **M1768 Herbicide** made after corn emergence.

M1768 Herbicide is not registered for use on sweet corn.

Preplant and Preemergence Application in No-Tillage Corn:

Rates: Apply 22 fluid ounces of **M1768 Herbicide** per acre on medium- or fine-textured soils containing 2.5% or greater organic matter. Use 11 fluid ounces per acre on coarse soils (sand, loamy sand, and sandy loam) or medium- and fine-textured soils with less than 2.5% organic matter.

Timing: **M1768 Herbicide** can be applied to emerging weeds before, during, or after planting a corn crop. When planting into a legume sod (e.g., alfalfa or clover), apply **M1768 Herbicide** after 4 - 6" of regrowth has occurred.

Preemergence Application in Conventional or Reduced Tillage Corn:

Rates: Apply 22 fluid ounces of **M1768 Herbicide** per treated acre on medium- or fine-textured soils containing 2.5% organic matter or more. Do not apply to coarse textured soils (sand, loamy sand, or sandy loam) of any soil with less than 2.5% organic matter until after corn emergence (See Early Postemergence uses below).

Timing: **M1768 Herbicide** may be applied after planting and prior to corn emergence. Pre-emergence application of **M1768 Herbicide** does not require mechanical incorporation to become active. A shallow mechanical incorporation is recommended if application is not followed by adequate rainfall or sprinkler irrigation. Avoid tillage equipment (e.g., drags, harrows) which concentrates treated soil over seed furrow as seed damage could result.

Preemergence control of cocklebur, jimsonweed, and velvetleaf may be reduced if conditions such as low temperature or lack of soil moisture cause delayed or deep germination of weeds.

Early Postemergence Application in All Tillage Systems:

Rates: Apply 22 fluid ounces of **M1768 Herbicide** per treated acre. Reduce the rate to 11 fluid ounces per treated acre if corn is growing on coarse textured soils (sand, loamy sand, and sandy loam).

Timing: Apply between corn emergence and the 5-leaf stage or 8" tall, whichever occurs first. Refer to **Late Postemergence Applications** if the sixth true leaf is emerging from whorl or corn is greater than 8" tall.

Late Postemergence Application:

Rate: Apply 11 fluid ounces of **M1768 Herbicide** per treated acre.

Timing: Apply **M1768 Herbicide** from 8 - 36" tall corn or 15 days before tassel emergence, whichever comes first. For best performance, apply when weeds are less than 3" tall.

Apply directed spray when corn leaves prevent proper spray coverage, sensitive crops are growing nearby, or tank mixing with 2,4-D. Do not apply **M1768 Herbicide** when soybeans are growing nearby if any of these conditions exist:

- corn is more than 24" tall
- soybeans are more than 10" tall
- soybeans have begun to bloom

Corn Tank Mixes Or Sequential Uses

When using tank mix or sequential applications with **M1768 Herbicide,** always follow the companion product label to determine specific use rates by soil types, weed species, and weed or crop growth stage. In addition, follow precautions and restrictions including state and local use restrictions that may apply to specific products.

Apply **M1768 Herbicide** prior to, in tank mix with, or after one or more of the following herbicides:

Accent®[1]
Acquire™
Atrazine
Axiom™
Banvel®[1]
Beacon®[1]
Bicep®
Bladex®
Bullet®
Degree™

Degree Xtra™
DoublePlay®[2]
Dual Magnum™
Dual II Magnum®
Eradicane®
Exceed®[1]
Extrazine® II
Field Master®
Frontier®
FulTime®
Gramoxone® Extra
Guardsman®
Harness®
Harness® Xtra
Hornet™[1]
Laddok® S-12
Lasso®
Liberty®[3]
Lightning®[5]
Marksman®[1]
Outlook™
Permit®[1]
Princep®
Prowl®
Python™
Roundup WeatherMAX® (glyphosate)
Roundup PowerMAX® (glyphosate)
RT 3® (glyphosate)Spirit™[1]
Stinger®[1]
Surpass®
Sutan® +[2]
TopNotch™
Touchdown®
Tough®
2,4-D[1]

[1] See **Table 3. Specific Guidelines for Tank Mixes or Sequential Use Programs** for additional limitations or restrictions that apply for tank mix or sequential use programs with these products.
[2] Sequential use only.
[3] Use only on **Liberty Link®** (glufosinate tolerant) corn hybrids.
[4] Includes postemergence use on **Roundup Ready®** (glyphosate tolerant) corn hybrids.
[5] Use only **CLEARFLELD®** (imidazolinone tolerant) corn hybrids.

Table 3. Specific Guidelines for Tank Mixes or Sequential Use Programs

Tank Mix Partner	Rate Per Acre
Accent® or Beacon®	When tank mixing, applications immediately following extreme day or night temperature fluctuations or applications when daytime temperatures do not exceed 50° F may result in decreased weed control or crop injury. Delay application until the temperatures warm and both weeds and crop resume normal growth.
2,4-D	To provide maximum crop safety after corn emergence, use this tank mix only after corn is greater than 8" tall and when application can be made with drop pipes that direct spray beneath corn leaves and away from the whorl of the corn. The maximum rate of 2,4-D recommended in this tank mix is 0.25 pints per acre (0.125 pounds of acid equivalent per acre).
Banvel® or Marksman®	Tank mixes with these products that contain dicamba must not exceed a total combined rate of 0.50 pounds of dicamba acid equivalent per acre (0.25 pound on coarse-textured soils or on any soil when corn is greater than 8" tall). Sequential applications of these products must be separated by a minimum of 2 weeks (unless the combined rate is less than 0.5 pounds of dicamba acid equivalent and corn is 8" tall or less) and must not exceed a combined total of 0.75 pounds dicamba acid equivalent per acre for in-crop use.
Exceed, Spirit, Stinger, Homet, or Permit	For improved control of velvetleaf, tank mix 0.25-0.5 ounce of Exceed, 0.5 ounce of Spirit, or 0.17-0.33 ounce Permit per acre with **M1768 Herbicide**. For improved control of Canada thistle, Stinger at 1.5-3 fluid ounces per acre or Hornet at 0.6-1.2 ounces per acre may be tank mixed with **M1768 Herbicide**. Use the higher rate in the range for heavier infestations of these weeds.

10.4 Cotton

Preplant Application:

Apply up to 11 fluid ounces of **M1768 Herbicide** per acre to control emerged broadleaf weeds prior to planting cotton in conventional or conservation tillage systems.

For best performance, apply **M1768 Herbicide** when weeds are in the 2 - 4 leaf stage and rosettes are less than 2" across.

Following application of **M1768 Herbicide** and a minimum accumulation of 1" of rainfall or overhead irrigation, a waiting interval of 21 days is required per 11 fluid ounces per acre or less. These intervals must be observed prior to planting cotton.

Do not apply preplant to cotton west of the Rockies.

Do not make **M1768 Herbicide** preplant applications to cotton in geographic areas with average annual rainfall less than 25".

If applying a spring preplant treatment following application of a fall preplant (postharvest) treatment, then the combination of both treatments may not exceed 2 pounds acid equivalent per acre.

Cotton Tank Mixes

For control of grasses or additional broadleaf weeds, **M1768 Herbicide** may be tank mixed with Bladex®, Caparol®, Gramoxone® Extra, Roundup WeatherMAX®, Roundup PowerMAX® , and RT 3® herbicides.

10.5 Grass Grown For Seed

Apply 11 - 22 fluid ounces of **M1768 Herbicide** per treated acre on seedling grass after the crop reaches the 3 -5 leaf stage. Apply up to 44 fluid ounces of **M1768 Herbicide** on well-established perennial grass. For best performance, apply **M1768 Herbicide** when weeds are in the 2 - 4 leaf stage and rosettes are less than 2" across. Use the higher level of listed rate ranges when treating more mature weeds or dense vegetative growth.

To suppress annual grasses such as brome (downy and ripgut), rattail fescue, and windgrass, apply up to 44 fluid ounces of **M1768 Herbicide** per treated acre in the fall or late summer after harvest and burning of established grass seed crops. Applications should be made immediately following the first irrigation when the soil is moist and before weeds have more than 2 leaves.

Do not apply **M1768 Herbicide** after the grass seed crop begins to joint.

Refer to the Pasture, Hay, Rangeland, and General Farmstead section for grazing and feeding restrictions.

Grass Seed Tank Mixes

M1768 Herbicide may be applied in tank mixes with one or more of the following herbicides:

Buctril®
Curtail®
Express®
Karmex®
MCPA amine
Sencor®
Stinger®
2,4-D amine or ester

10.6 Proso Millet

For use only within Colorado, Nebraska, North Dakota, South Dakota, and Wyoming.

M1768 herbicide combined with 2,4-D will provide control or suppression of the annual broadleaf weeds listed in **Section 12.**

Apply 5.5 fluid ounces of **M1768 Herbicide** with 0.375 pounds a.i. of 2,4-D. Apply the tank mix of **M1768 Herbicide** + 2,4-D as a broadcast or spot treatment to emerged and actively growing weeds and when proso millet is in the 2 - 5 leaf stage. Use directions for 2,4-D products vary with manufacturers. Refer to a 2,4-D product with labeling consistent with the crop stage timing for

M1768 Herbicide. Some types of proso millet may be affected adversely by a tank mix of **M1768 Herbicide** + 2,4-D.

Do not apply unless possible proso millet crop injury will be acceptable.

Restrictions for proso millet that is grazed or cut for hay are indicated in **Table 4** in the Pasture, Hay, Rangeland, and General Farmstead section of this label.

10.7 Pasture, Hay, Rangeland, And General Farmstead (Noncropland)

M1768 Herbicide is recommended for use on pasture; hay, rangeland, and general farmstead (non-cropland) (including fencerows and non-irrigation ditchbanks) for control or suppression of broadleaf weed and brush species listed in **Section 12**.

M1768 Herbicide may also be applied to non-cropland areas to control broadleaf weeds in noxious weed control programs, districts, or areas including broadcast or spot treatment of roadsides and highways, utilities, railroad, and pipeline rights-of-way. Noxious weeds must be recognized at the state level, but programs may be administered at state, county, or other level.

M1768 Herbicide uses described in this section also pertain to grasses and small grains (forage sorghum, rye, sudangrass, or wheat) grown for grass, forage, fodder, hay and/or pasture use only. Grasses and small grains not grown for grass, forage, fodder, hay and/or pasture must comply with crop-specific uses in this label. Some perennial weeds may be controlled with lower rates of either **M1768 herbicide** or **M1768 Herbicide** plus 2,4-D (refer to **Table 1**).

Rates and Timings

Refer to **Table 1** for rate selection based on targeted weed or brush species. Some weed species will require tank mixes for adequate control.

Rates above 44 fluid ounces of **M1768 Herbicide** per acre are for spot treatments only. Spot treatment is defined as no more than a total of 1000 square feet of treated area per acre. Do not broadcast apply more than 44 fluid ounces per acre.

Retreatments may be made as needed; however, do not exceed a total of 44 fluid ounces of **M1768 Herbicide** per treated acre during a growing season.

Grass grown for hay requires a 7-day wait period between application and harvest.

Crop-Specific Restrictions

Do not apply more than 22 fluid ounces of **M1768 Herbicide** per acre to small grains grown for pasture.

Newly seeded areas may be severely injured if more than 22 fluid ounces of **M1768 Herbicide** is applied per acre.

Established grass crops growing under stress can exhibit various injury symptoms that may be more pronounced if herbicides are applied. Bentgrass, carpetgrass, buffalograss, and St. Augustingrass may be injured if more than 22 fluid ounces of **M1768 Herbicide** is applied per acre. Usually colonial bentgrasses are more tolerant than creeping types. Velvetgrasses are most easily injured. Treatments will kill or injure alfalfa, clovers, lespedeza, wild winter peas, vetch, and other legumes.

Table 4 lists the timing restrictions for grazing or harvesting hay from treated fields. There are no grazing restrictions for animals other than lactating dairy animals.

Table 4. Timing Restrictions for Lactating Dairy Animals Following Treatment

M1768 Rate per Treated Acre (fluid ounces)	Days Before Grazing (days)	Days Before Hay Harvest (days)
Up to 22	7	37
Up to 44	21	51
Up to 88 (for spot treatment only).	40	70

- **Spot Treatments: M1768 Herbicide** may be applied to individual clumps or small areas of undesirable vegetation using handgun or similar types of application equipment. Apply diluted sprays to allow complete wetting (up to runoff) of foliage and stems.

Cut Surface Treatments:

M1768 Herbicide may be applied as a cut surface treatment for control of unwanted trees and prevention of sprouts of cut trees.

Rate: Mix 1 part **M1768 Herbicide** with 1 - 3 parts water to create the application solution. Use the lower dilution rate when treating difficult-to-control species.

- **For Frill or Girdle Treatments**: Make a continuous cut or a series of overlapping cuts using an axe to girdle tree trunk. Spray or paint the cut surface with the solution.
- **For Stump Treatments:** Spray or paint freshly cut surface with the water mix. The area adjacent to the bark should be thoroughly wet.

Note: For more rapid foliar effects, 2,4-D may be added to the solution.

Applications For Control of Dormant Multiflora Rose:

M1768 Herbicide can be applied when plants are dormant as an undiluted spot treatment directly to the soil or as a Lo-Oil basal bark treatment using an oil-water emulsion solution.

- **Spot treatments:** Spot treatment applications of **M1768 Herbicide** should be applied directly to the soil as close as possible to the root crown but within 6 - 8" of the crown. On sloping terrain, apply **M1768 Herbicide** to the uphill side of the crown. Do not apply when snow or water prevents applying **M1768 Herbicide** directly to the soil. The use rate of **M1768 Herbicide** depends on the canopy diameter of the multiflora rose.

  Examples: Use 0.34, 1.38, or 3.23 fluid ounces of **M1768 Herbicide** respectively, for 5, 10, or 15 feet canopy diameters.

- **Lo-Oil basal bark treatments:** For Lo-Oil basal bark treatments, apply **M1768 Herbicide** to the basal stem region from the ground line to a height of 12 - 18". Spray until runoff, with special emphasis on covering the root crown. For best results, apply **M1768 Herbicide** when plants are dormant. Do not apply after bud break or when plants are showing signs of active growth. Do not apply when snow or water prevents applying **M1768 Herbicide** to the ground line.

  To prepare approximately 2 gallons of a Lo-Oil spray solution:

  1) Combine 1.5 gallons of water, 1 ounce of emulsifier, 22 fluid ounces of **M1768 Herbicide,** and 2.5 pints of No. 2 diesel fuel.
  2) Adjust the amounts of materials used proportionately to the amount of final spray solution desired.

  Do not exceed 8 gallons of spray solution mix applied per acre, per year.

Pasture Tank Mixes

M1768 herbicide may be applied in tank mixes with one or more of the following herbicides:

Acquire™
Ally®
Amber®
Crossbow®
Curtail®
Garlon®
Gramoxone® Extra
Roundup Ultra® RT
Roundup WeatherMAX®
Roundup PowerMAX®
RT 3®
Stinger®
Tordon® 22K
2,4-D

Conservation Reserve Program (CRP)
M1768 Herbicide is recommended for use on both newly seeded and established grasses grown in Conservation Reserve or federal Set-Aside Programs. Treatments of **M1768 Herbicide** will injure or may kill alfalfa, clovers, lespedeza, wild winter peas, vetch, and other legumes.

NEWLY SEEDED AREAS

M1768 Herbicide may be applied either preplant or postemergence to newly seeded grasses or small grains such as barley, oats, rye, sudangrass, wheat, or other grain species grown as a cover crop. Postemergence applications may be made after seedling grasses exceed the 3-leaf stage. Rates of **M1768 Herbicide** greater than 22 fluid ounces per treated acre may severely injure newly seeded grasses.

Preplant applications may injure new seedlings if the interval between application and grass planting is less than 45 days per 22 fluid ounces of **M1768 Herbicide** applied per treated acre west of the Mississippi River or 20 days per 22 fluid ounces applied east of the Mississippi River.

ESTABLISHED GRASS STANDS

Established grass stands are perennial grasses planted one or more seasons prior to treatment. Certain species (bentgrass, carpetgrass, smooth brome, buffalograss, or St. Augustinegrass) may be injured when treated with more than 22 fluid ounces of **M1768 Herbicide** per treated acre.

When applied at recommended rates, **M1768 Herbicide** will control many annual and biennial weeds and provide control or suppression of many perennial weeds.

Rates and Timings

Apply 5.5 - 44 fluid ounces of **M1768 Herbicide** per acre. Refer to **Table 1** for rates based on target weed species. **M1768 Herbicide** may be tank mixed or applied sequentially with other products labeled for use in Conservation Reserve Programs such as atrazine, Cyclone®, glyphosate (Acquire™, Roundup WeatherMAX®, Roundup PowerMAX® , RT 3®), Gramoxone® Extra, Touchdown®, or 2,4-D. Retreatments may be made as needed; however, do not exceed a total of 88 fluid ounces (4 pints) of **M1768 Herbicide** per acre per year.

10.8 Small Grains Not Underseeded To Legumes (fall- and spring-seeded barley, oat, triticale and wheat)

M1768 Herbicide combinations with listed tank mix partners will provide control or suppression of the annual broadleaf weeds listed in **Section 12**. For improved control of listed weeds, tank mix **M1768 Herbicide** with one or more of the herbicides listed.

M1768 Herbicide used in a tank mix with other herbicides offers the best spectrum of weed control and herbicide tolerant or resistant weed management. Refer to the specific section crop for **M1768 Herbicide** application rate and timing.

For applications prior to weed emergence or when sulfonylurea-resistant weeds are present or suspected, tank mix a minimum of 4.12 fluid ounces of **M1768 Herbicide** per treated acre with a non-sulfonylurea herbicide such as 2,4-D or MCPA. Tank mixing **M1768 Herbicide** with these products will offer more consistent control of sulfonylurea-resistant weeds.

Additives: When tank mixing **M1768 Herbicide** with sulfonylurea herbicides (Ally®, Amber®, Canvas®, Express®, Finesse®, Glean®, Harmony® Extra, and Peak®), use an agriculturally approved surfactant as indicated in Section 7.4 Surfactants and Adjuvants of this label.

Refer to the specific crop sections below for use rates. When treating difficult to control weeds such as kochia, wild buckwheat, cow cockle, prostrate knotweed, Russian thistle, and prickly lettuce or when dense vegetative growth occurs, use the 4.12 – 5.5 fluid ounces of **M1768 Herbicide** per acre.

Timings: Apply **M1768 Herbicide** before, during, or after planting small grains. See specific small grain crop uses below for maximum crop stage. For best performance, apply **M1768 Herbicide** when weeds are in the 2 - 3 leaf stage and rosettes are less than 2" across. Applying **M1768**

Herbicide to small grains during periods of rapid growth may result in crop leaning. This condition is temporary and will not reduce crop yields.

Restrictions for small grain areas that are grazed or cut for hay are indicated in **Table 4** in Pasture, Hay, Rangeland, and General Farmstead section of this label.

10.9 Small Grains: Barley (fall- and spring-seeded)

Early season applications:

Apply 2.75 – 5.5 fluid ounces of **M1768 Herbicide** to fall-seeded barley prior to the jointing stage. Apply 2.75 – 4.12 fluid ounces of **M1768 Herbicide** before spring-seeded barley exceeds the 4-leaf stage.

Note: For spring barley varieties that are seeded during the winter months or later, follow the rates and timings given for spring-seeded barley.

Do not tank mix **M1768 Herbicide** with 2,4-D in early season applications on spring-seeded barley.

Preharvest applications:

M1768 Herbicide can be used to control weeds that may interfere with harvest of fall and spring-seeded barley. Apply 11 fluid ounces of M1768 herbicide per acre as a broadcast or spot treatment to annual broadleaf weeds when barley is in the hard dough stage and the green color is gone from the nodes (joints) of the stem. Best results will be obtained if application can be made when weeds are actively growing, but before weeds canopy.

A waiting interval of 7 days is required before harvest. Do not use preharvest-treated barley for seed unless a germination test is performed on the seed with an acceptable result of 95% germination or better.

For control of additional broadleaf weeds or grasses, **M1768 Herbicide** may be tank mixed with other herbicides, such as 2,4-D, that are labeled for preharvest uses in barley.

Do not make preharvest applications in California.

Barley Tank Mixes

Table 5.

Tank Mix Partner*	Rate Per Acre
Ally®	0.05 - 0.1 ounce[1]
Amber®	0.14 - 0.28 ounce[1]
Bronate®	0.75 -1 .5 pints
Buctril®	1 - 1.5 pints
Canvas®	0.2 - 0.4 ounce[1]
Express®	0.083 - 0. 167 ounce[1]
Finesse®	0.167 - 0.33 ounce[1]
Glean®	0.167 ounce[1]
Harmony® Extra	0.167 - 0.33 ounce[1]
MCPA amine or ester	8 - 12 fluid ounces[2] (0.25 - 0.375 pound a.e.)
Metribuzin (Sencor®, Lexone®)	0.125 - 0.47 pound a.i.
2,4-D amine or ester[2,3]	8 fluid ounces (0.25 pound a.e.)

* Follow all tank mix partners' labeling for use rates, precautions and restrictions.
[1] Do not use low rates of sulfonylureas (Ally, Amber, Canvas, Express, Finesse, Glean, and Harmony Extra) on more mature weeds or on dense vegetative growth.
[2] When using formulations other than 4 pounds per gallon use pounds of a.e. per acre listed.
[3] This tank mix is for fall-seeded barley only

10.10 Small Grains: Oats (fall- and spring-seeded)

Early season applications:

Apply 2.75 – 5.5 fluid ounces of **M1768 Herbicide** per acre to fall-seeded oat prior to the jointing stage. Apply 2.75 – 5.5 fluid ounces of **M1768 Herbicide** before spring-seeded oat exceed the 5-leaf stage.

M1768 Herbicide may be tank mixed with MCPA amine or ester for applications in oat.

Do not tank mix **M1768 Herbicide** with 2,4-D in oat.

10.11 Small Grains: Triticale (fall- and spring-seeded)

Early season applications:

Apply 2..75 – 5.5 fluid ounces of **M1768 Herbicide** to triticale.

Early season applications to fall-seeded triticale must be made prior to the jointing stage.

Early season applications to spring-seeded triticale must be made before triticale reaches the 6-leaf stage.

Triticale Tank Mixes:

For best performance, should be used in tank mix combination with bromoxynil (Buctril, Moxy™ 2E) herbicide.

10.12 Small Grains: Wheat (fall- and spring-seeded)

Early Season Applications:

Apply 2.75 – 5.5 fluid ounces of **M1768 Herbicide** to wheat unless using one of the fall-seeded wheat specific programs below.

Early season applications to fall-seeded wheat must be made prior to the jointing stage.

Early season applications to spring-seeded wheat must be made before wheat exceeds the 6-leaf stage.

Early developing wheat varieties such as TAM 107, Madison, or Wakefield must receive application between early tillering and the jointing stage. Care should be taken in staging these varieties to be certain that the application occurs prior to the jointing stage.

To improve control of Russian thistle, flixweed, gromwell, or mayweed, add 2,4-D amine or ester to a tank mix with one of the following herbicides: Ally®, Amber®, Canvas®, Express®, Finesse®, Glean®, Harmony® Extra, or Peak®.

Specific use programs for fall-seeded wheat only:

M1768 Herbicide may be used at 8.25 fluid ounces on fall-seeded wheat in Western Oregon as a spring application only. In Colorado, Kansas, New Mexico, Oklahoma, and Texas, up to 11 fluid ounces of **M1768 Herbicide** may be applied on fall-seeded wheat after it exceeds the 3-leaf stage for suppression of perennial weeds, such as field bindweed. Applications may be made in the fall following a frost but before a killing freeze. **M1768 Herbicide** may be tank mixed with 2,4-D amine at 11 fluid ounces after wheat begins to tiller. Periods of extended stress such as cold and wet weather may enhance the possibility of crop injury. For fall applications only, do not use if the potential for crop injury is not acceptable.

Preharvest applications:

M1768 Herbicide can be used to control weeds that may interfere with harvest of wheat. Apply 11 fluid ounces **M1768 Herbicide** per acre as a broadcast or spot treatment to annual broadleaf weeds when wheat is in the hard dough stage and the green color is gone from the nodes (joints) of the stem. Best results will be obtained if application can be made when weeds are actively growing but before weeds canopy.

A waiting interval of 7 days is required before harvest. Do not use preharvest-treated wheat for seed unless a germination test is performed on the seed with an acceptable result of 95% germination or better.

For control of additional broadleaf weeds or grasses, **M1768 Herbicide** herbicide may be tank mixed with other herbicides such as Ally®, Roundup WeatherMAX®, Roundup PowerMAX®, Roundup® Ultra, and 2,4-D, Do not make preharvest applications in California.

Wheat Tank Mixes

Table 6.

Tank Mix Partner*	Rate Per Acre
Ally®	0.05 - 0.1 ounce[1]
Amber®	0.14 - 0.28 ounce[1]
Bronate®	0.75 - 1.5 pints
Buctril®	1 - 1.5 pints
Canvas®	0.2 - 0.4 ounce[1]
Curtail®	2 - 2.67 pints
Dakota®	16 fluid ounces
Express®	0.083 - 0.167 ounce[1]
Finesse®	0.167 - 0.33 ounce[1]
Glean®	0.167 ounce[1]
Harmony® Extra	0.167 - 0.33 ounce[1]
Karmex®[3]	0.5 - 1.5 pounds
Glyphosate (Roundup Ultra® RT)[4]	12 - 16 fluid ounces
MCPA amine or ester[5]	8 - 12 fluid ounces (0.25 - 0.375 pound a.e.)
Metribuzin[3] (Sencor®, Lexone®)	0.25 - 0.375 pound a.i.
Peak®[1]	0.25 - 0.38 ounce
Stinger®	4 - 5.33 fluid ounces
Tiller®[2]	1 - 1.7 pints
2,4-D amine or ester[5]	8 - 12 fluid ounces (0.25 - 0.375 pound a.e.)

* Follow all tank mix partners' labeling for use rates, precautions and restrictions.

[1] Do not use low rates of sufonylurea herbicides, such as Ally, Amber, Canvas, Express, Finesse, Glean, Harmony Extra, and Peak on more mature weeds or on dense vegetative growth.

[2] Do not use **M1768 Herbicide** as a tank mix treatment with Dakota or Tiller on Durum wheat. Do not tank mix with Tiller if wild oat is the target weed.

[3] Tank mixes with Karmex and metribuzin are for use in fall-seeded wheat only.

[4] A tank mix of up to 5.5 fluid ounces of **M1768 Herbicide** with Roundup Ultra RT or any glyphosate formulation labeled for use as a preplant application to small grains may be applied with no waiting period prior to planting.

[5] Up to 44 fluid ounces of (1.0 pound a.e.) may be used on fall-seeded wheat it crop injury is acceptable. When using formulations other than 4 pounds per gallon, use the pounds of a.e. per acre listed.

10.13 Sorghum

M1768 Herbicide may be applied preplant, postemergence, or preharvest in sorghum to control many annual broadleaf weeds and to reduce competition from established perennial broadleaf weeds, as well as control their seedlings.

Do not graze or feed treated sorghum forage or silage prior to mature grain stage. If sorghum is grown for pasture or hay, refer to Pasture, Hay, Rangeland, and General Farmstead section of this label for specific grazing and feeding restrictions.

Do not apply **M1768 Herbicide** to sorghum grown for seed production.

Preplant Application:

Up to 11 fluid ounces of **M1768 Herbicide** may be applied per acre if applied at least 15 days before sorghum planting.

Postemergence Application:

Up to 11 fluid ounces of **M1768 Herbicide** per acre may be applied after sorghum is in the spike stage (all sorghum emerged) but before sorghum is 15" tall. For best performance, apply **M1768 Herbicide** when the sorghum crop is in the 3 - 5 leaf stage and weeds are small (less than 3" tall). Use drop pipes (drop nozzles) if sorghum is taller than 8". Keep the spray off the sorghum leaves and out of the whorl to reduce the likelihood of crop injury and to improve spray coverage of weed foliage. Applying **M1768 Herbicide** to sorghum during periods of rapid growth may result in temporary leaning of plants or rolling of leaves. These effects are usually outgrown within 10 - 14 days.

Preharvest uses in Texas and Oklahoma only: Up to 11 fluid ounces of **M1768 Herbicide** per acre may be applied for weed suppression any time after the sorghum has reached the soft dough stage. An agriculturally approved surfactant may be used to improve performance. Delay harvest until 30 days after a preharvest treatment.

Split Application:

M1768 Herbicide may be applied in split applications: preplant followed by postemergence or preharvest; or postemergence followed by preharvest. Do not exceed 11 fluid ounces per acre, per application or a total of 22 ounces per acre, per season.

Sorghum Tank Mixes and Sequential Treatments

M1768 herbicide may be applied prior to, in a tank mix with, or after one or more of the following herbicides:

Acquire™
Atrazine
Basagran®
Bicep II Magnum®
Buctril®
Cyclone®
Dual Magnum™
Dual II Magnum®
Fallow Master®
Frontier®
Gramoxone® Extra
Guardsman®
Laddok® S-12
Landmaster®
Lasso®
Outlook™
Paramount®
Peak®
Permit®
Ramrod®
Roundup Ultra®

10.14 Soybean

Preplant Applications:

Apply 5.5 -22 fluid ounces of **M1768 Herbicide** per acre to control emerged broadleaf weeds prior to planting soybeans. Do not exceed 22 fluid ounces of **M1768 Herbicide** per acre in a spring application prior to planting soybeans.

Following application of **M1768 Herbicide** and a minimum accumulation of 1" rainfall or overhead irrigation, a waiting interval of 14 days is required for 11 fluid ounces per acre or less, and 28 days for 22 fluid ounces per acre. These intervals must be observed prior to planting soybeans or crop injury may occur.

Do not make **M1768 Herbicide** preplant applications to soybeans in geographic areas with average annual rainfall less than 25".

Preharvest Applications:

M1768 Herbicide can be used to control many annual and perennial broadleaf weeds and control or suppress many biennial and perennial broadleaf weeds in soybean prior to harvest (refer to **Section 10**). Apply 11 - 44 fluid ounces of **M1768 Herbicide** per acre as a broadcast or spot treatment to emerged and actively growing weeds after soybean pods have reached mature brown color and at least 75% leaf drop has occurred.

Do not harvest soybeans until 7 days after application.

Treatments may not kill weeds that develop from seed or underground plant parts, such as rhizomes or bulblets, after the effective period for **M1768 Herbicide**. For seedling control, a follow-up program or other cultural practice could be instituted.

Do not use preharvest-treated soybean for seed unless a germination test is performed on the seed with an acceptable result of 95% germination or better.

Do not feed soybean fodder or hay following a preharvest application of **M1768 Herbicide**.

Do not make preharvest applications in California.

Soybean Tank Mixes

Preplant Tank Mixes:

M1768 herbicide may be tank mixed with other herbicides registered for early preplant use in soybeans including burndown herbicides such as glyphosate (Acquire™, Roundup WeatherMAX®, Roundup PowerMAX® and RT 3®) and 2,4-D or residual herbicides such as Outlook®, Frontier® or Dual Magnum™.

Preharvest Tank Mixes:

M1768 Herbicide may be tank mixed with other herbicides registered for preharvest use in soybeans such as glyphosate (Roundup WeatherMAX®, Roundup PowerMAX® and RT 3®) and Gramoxone® Extra.

10.15 Sugarcane

Apply **M1768 Herbicide** for control of annual, biennial, or perennial broadleaf weeds listed in **Section 11**. Apply 11 - 33 fluid ounces of **M1768 Herbicide** per acre for control of annual weeds, 22 - 44 fluid ounces for control of biennial weeds, and 44 fluid ounces for control or suppression of perennial weeds.

Use the higher level of listed rate ranges when treating dense vegetative growth.

A single retreatment may be made as needed, however, do not exceed a total of 88 fluid ounces of **M1768 Herbicide** per treated acre during a growing season.

Timing: **M1768 Herbicide** may be applied to sugarcane any time after weeds have emerged, but before the close-in stage of sugarcane. Applications of 44 fluid ounces of **M1768 Herbicide** per acre made over the top of actively growing sugarcane may result in crop injury.

When possible, direct the spray beneath the sugarcane canopy to minimize the likelihood of crop injury. Using directed sprays will also help maximize the spray coverage of weed foliage.

Sugarcane Tank Mixes

M1768 Herbicide may be tank mixed with other products registered for use in sugarcane such as Asulox®, atrazine, Evik®, and 2,4-D.

10.16 Farmstead Turf (noncropland) and Sod Farms

Do not use on residential sites.

For use in general farmstead (noncropland) and sod farms, apply 4.12 – 44 fluid ounces of **M1768 Herbicide** per acre to control or suppress growth of many annual, biennial, and some perennial

broadleaf weeds commonly found in turf. **M1768 Herbicide** will also suppress many other listed perennial broadleaf weeds and woody brush and vine species. Refer to **Table 1** for rate recommendations based on targeted weed or brush species and growth stage. Some weed species will require tank mixes for adequate control.

Repeat treatments may be made as needed; however, do not exceed 44 fluid ounces of **M1768 Herbicide** per acre, per growing season.

Apply 30 - 200 gallons of diluted spray per treated acre (3 - 17 quarts of water per 1,000 square feet), depending on density or height of weeds treated and on the type of equipment used.

To avoid injury to newly seeded grasses, delay application of **M1768 Herbicide** until after the second mowing. Furthermore, applying more than 16 fluid ounces of **M1768 Herbicide** per treated acre may cause noticeable stunting or discoloration of sensitive grass species such as bentgrass, carpetgrass, buffalograss, and St. Augustinegrass.

In areas where roots of sensitive plants extend, do not apply more than 5.5 fluid ounces of **M1768 Herbicide** per treated acre on coarse-textured (sandy-type) soils, or in excess of 8 fluid ounces per treated acre on fine-textured soils. Do not make repeat applications in these areas for 30 days and until previous applications of **M1768 Herbicide** have been activated in the soil by rain or irrigation.

Farmstead Turf (noncropland) and Sod Farm Tank Mixes

Apply 4.4 - 11 fluid ounces of **M1768 Herbicide** per acre in a tank mix with one of the products in Table 8 at the rates listed. Use the higher rates when treating established weeds.

Table 7.

Tank Mix Partner*	Rate Per Acre
bromoxynil (Buctril®)	0.375 - 0.5 pound a.i
MCPA	0.5 - 1.5 pounds a.e.
MCPP	0.5 - 1 .5 pounds a.e.
2,4-D	0.5 - 1.5 pounds a.e.
* Follow all tank mix partners' labeling for use rates, precautions and restrictions.	

11.0 WEEDS CONTROLLED

GENERAL WEED LIST, Including ALS- and Triazine-Resistant Biotypes

ANNUALS

Alkanet
Amaranth, Palmer, Powell, Spiny
Aster, Slender
Bedstraw, Catchweed
Beggarweed, Florida
Broomweed, Common
Buckwheat, Tartary, Wild
Buffalobur
Burclover, California
Burcucumber
Buttercup, Corn, Creeping, Roughseed, Western Field
Carpetweed
Catchfly, Nightflowering
Chamomile, Corn
Chevil, Bur
Chickweed, Common
Clovers
Cockle, Corn, Cow, White
Cocklebur, Common
Copperleaf, Hophornbeam
Cornflower (Bachelor Button)
Croton, Tropic, Woolly
Daisy, English
Dragonhead, American
Eveningprimrose, Cutleaf
Falseflax, Smallseed
Fleabane, Annual
Flixweed
Fumitory
Goosefoot, Nettleleaf
Hempnettle
Henbit
Jacobs-Ladder
Jimsonweed
Knawel (German Moss)
Knotweed, Prostrate
Kochia
Ladysthumb
Lambsquarters Common
Lettuce, Miners, Prickly
Mallow, Common, Venice
Marestail (Horseweed)
Mayweed
Morningglory, Ivyleaf, Tall

Mustard, Black, Blue, Tansy, Treacle, Tumble, Wild, Yellowtops
Nightshade, Black, Cutleaf
Pennycress, Field (Fanweed, Frenchweed, Stinkweed)
Pepperweed, Virginia (Peppergrass)
Pigweed, Prostrate, Redroot (Carelessweed), Rough, Smooth, Tumble
Pineappleweed
Poorjoe
Poppy, Red-horned
Puncturevine
Purslane, Common
Pusley, Florida
Radish, Wild
Ragweed, Common, Giant (Buffaloweed), Lance-Leaf
Rocket, London, Yellow
Rubberweed, Bitter (Bitterweed)
Salsify
Senna, Coffee
Sesbania, Hemp
Shepherdpurse
Sicklepod
Sida, Prickly (Teaweed)
Smartweed, Green, Pennsylvania
Sneezeweed, Bitter
Sowthistle, Annual, Spiny
Spanish Needles
Spikeweed, Common
Spurge, Prostrate, Leafy
Spurry, Corn
Starbur, Bristly
Starwort, Little
Sumpweed, Rough
Sunflower, Common (Wild), Volunteer
Thistle, Russian
Velvetleaf
Waterhemp, Common, Tall
Waterprimrose, Winged
Wormwood

BIENNIALS

Burdock, Common
Carrot, Wild (Queen Anne's Lace)
Cockle, White
Eveningprimrose, Common
Geranium, Carolina
Gromwell
Knapweed, Diffuse, Spotted
Mallow, Dwarf
Plantain, Bracted
Ragwort, Tansy
Starthistle, Yellow
Sweetclover
Teasel
Thistle, Bull, Milk, Musk, Plumeless

PERENNIALS

Alfalfa[1]
Artichoke, Jerusalem
Aster, Spiny, Whiteheath
Bedstraw, Smooth
Bindweed, Field, Hedge
Blueweed, Texas
Bursage, Woollyleaf[1] (Bur Ragweed, Povertyweed)
Buttercup, Tall
Campion, Bladder
Chickweed, Field, Mouseear
Chicory[1]
Clover[1], Hop
Dandelion[1], Common
Dock[1] Broadleaf (Bitterdock), Curly
Dogbane, Hemp
Dogfennel[1] (Cypressweed)
Fern, Bracken
Garlic, Wild
Goldenrod, Canada, Missouri
Goldenweed, Common
Hawkweed
Henbane, Black[1]
Horsenettle, Carolina
Ironweed
Knapweed, Black, Diffuse, Russian[1], Spotted
Milkweed, Climbing, Common, Honeyvine, Western Whorled
Nettle, Stinging
Nightshade, Silverleaf (White Horsenettle)
Onion, Wild
Plaintain, Broadleaf, Buckhorn
Pokeweed
Ragweed, Western
Redvine
Sericia Lespedeza
Smartweed, Swamp
Snakeweed, Broom
Sorrel[1], Red (Sheep Sorrel)
Sowthistle[1], Perennial
Spurge, Leafy
Sundrops
Thistle, Canada, Scotch
Toadflex, Dalmatian
Tropical Soda Apple
Trumpetcreeper (Buckvine)
Vetch
Waterhemlock, Spotted
Waterprimrose, Creeping
Woodsorrel[1], Creeping, Yellow
Wormwood, Absinth, Louisiana
Yankeeweed
Yarrow, Common[1]

[1] Noted perennials may be controlled using lower rates of **M1768 Herbicide** than those recommended for other listed perennial weeds.

WOODY **SPECIES**

Alder
Ash
Aspen
Basswood
Beech
Birch
Blackberry[2]
Blackgum[2]
Cedar[2]

Cherry	Huisache	Rose[2], McCartney, Multiflora
Chinquapin	Ivy, Poison	
Cottonwood	Kudzu	Sagebrush, Fringed[2]
Creosotebush[2]	Locust, Black	Sassafras
Cucumbertree	Maple	Serviceberry
Dewberry[2]	Mesquite	Spicebush
Dogwood[2]	Oak	Spruce
Elm	Oak, Poison	Sumac
Grape	Olive, Russian	Sweetgum[2]
Hawthorn (Thornapple)[2]	Persimmon, Eastern	Sycamore
Hemlock	Pine	Tarbush
Hickory	Plum, Sand (Wild Plum)[2]	Willow
Honeylocust	Poplar	Witchhazel
Honeysuckle	Rabbitbrush	Yaupon[2]
Hornbeam	Redcedar, Eastern[2]	Yucca[2]
Huckleberry		

[2]Growth suppression only

12.0 LIMIT OF WARRANTY AND LIABILITY

Monsanto Company warrants that this product conforms to the chemical description on the label and is reasonably fit for the purposes set forth in the Complete Directions for Use label booklet ("Directions") when used in accordance with those Directions under the conditions described therein. TO THE EXTENT CONSISTENT WITH APPLICABLE LAW, NO OTHER EXPRESS WARRANTY OR IMPLIED WARRANTY OF FITNESS FOR PARTICULAR PURPOSE OR MERCHANTABILITY IS MADE. This warranty is also subject to the conditions and limitations stated herein.

Buyer and all users shall promptly notify this Company of any claims whether based in contract, negligence, strict liability, other tort or otherwise.

To the extent consistent with applicable law, buyer and all users are responsible for all loss or damage from use or handling which results from conditions beyond the control of this Company, including, but not limited to, incompatibility with products other than those set forth in the Directions, application to or contact with desirable vegetation, failure of this product to control weed biotypes which develop resistance to ~~glyphosate~~dicamba, unusual weather, weather conditions which are outside the range considered normal at the application site and for the time period when the product is applied, as well as weather conditions which are outside the application ranges set forth in the Directions, application in any manner not explicitly set forth in the Directions, moisture conditions outside the moisture range specified in the Directions, or the presence of products other than those set forth in the Directions in or on the soil, crop or treated vegetation.

This Company does not warrant any product reformulated or repackaged from this product except in accordance with this Company's stewardship requirements and with express written permission from this Company.

~~For in-crop (over-the-top) uses on Roundup Ready crops, crop safety and weed control performance are not warranted by Monsanto when this product is used in conjunction with "brown bag" or "bin run" seed saved from previous year's production and replanted.~~

TO THE EXTENT CONSISTENT WITH APPLICABLE LAW, THE EXCLUSIVE REMEDY OF THE USER OR BUYER, AND THE LIMIT OF THE LIABILITY OF THIS COMPANY OR ANY OTHER SELLER FOR ANY AND ALL LOSSES, INJURIES OR DAMAGES RESULTING FROM THE USE OR HANDLING OF THIS PRODUCT (INCLUDING CLAIMS BASED IN CONTRACT, NEGLIGENCE, STRICT LIABILITY, OTHER TORT OR OTHERWISE) SHALL BE THE PURCHASE PRICE PAID BY THE USER OR BUYER FOR THE QUANTITY OF THIS PRODUCT INVOLVED, OR, AT THE ELECTION OF THIS COMPANY OR ANY OTHER SELLER, THE REPLACEMENT OF SUCH QUANTITY, OR, IF NOT ACQUIRED BY PURCHASE, REPLACEMENT OF SUCH QUANTITY. TO THE EXTENT CONSISTENT WITH

APPLICABLE LAW, IN NO EVENT SHALL THIS COMPANY OR ANY OTHER SELLER BE LIABLE FOR ANY INCIDENTAL, CONSEQUENTIAL OR SPECIAL DAMAGES.

Upon opening and using this product, buyer and all users are deemed to have accepted the terms of this LIMIT OF WARRANTY AND LIABILITY which may not be varied by any verbal or written agreement. If terms are not acceptable, return at once unopened.

Bronco, Bullet, Fallow Master, Harness, Landmaster, Lariat, Lasso, Partner, Ramrod, Roundup WeatherMAX, Roundup PowerMAX, RT 3, Roundup Ultra, and Roundup Ready are registered trademarks and Degree, Degree Xtra and Field Master are trademarks of Monsanto Technology LLC.

Banvel, Banvel SGF *Basagran, CLEARFIELD*, Frontier, Guardsman, Laddok, Lightning, Marksman, Paramount, Prowl and Outlook are registered trademarks of BASF.*

Accent, Ally, Asana, Bladex, Canvas, Express, Extrazine, Finesse, Glean, Harmony, Karmex, and Lexone are registered trademarks of E. I. du Pont de Nemours & Company.

Amber, Beacon, Bicep II, Magnum, Caparol, Dual II Magnum, Evik, Exceed, Peak, Princep, and Tough are registered trademarks' and Dual Magnum is a trademark of Novartis AG.

Spirit is a trademark of Novartis Corporation.

Buctril is a registered trademark of Rh6ne-Poulenc Ag *Company.*

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Moxy is a trademark of Riverside.

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All other trademarks are the property of their respective owners.

EPA Reg. No. 524-617

EPA Establishment No. [insert appropriate est. no.]

Lot number [insert appropriate lot number]

Net contents [insert net contents]

Packed for:
MONSANTO COMPANY
800 N. Lindbergh Blvd.
ST. LOUIS, MISSOURI, 63167 U.S.A.

II. SUPPLEMENTAL LABELS FOR EPA REG. No. 524-617

M1768 HERBICIDE SUPPLEMENTAL LABEL

FOR USE ON DICAMBA-TOLERANT SOYBEAN MON 87708 GROWN FOR RESEARCH, FIELD TRIALS OR SEED PRODUCTION ONLY, INCLUDING USDA REGULATED PLANTINGS OR SEED PRODUCTION.

This supplemental label expires May 6, 2017, and must not be used or distributed after this date.

EPA Reg. No. 524-617

Directions For Use

Refer to the M1768 Herbicide main label, EPA Reg. No. 524-617, for complete Directions For Use and all applicable restrictions and precautions. When following the instructions on this supplemental label, the user must have this label and the entire M1768 Herbicide container label in possession at the time of pesticide application.

It is a violation of federal law to use this product in a manner inconsistent with its labeling.

Product Information

Dicamba-tolerant soybean MON 87708 contains patented technology licensed exclusively to Monsanto Company. Planting of dicamba-tolerant soybean MON 87708 may only be done under agreement and following all instructions of Monsanto Company.

This product may be used for weed control and for control of non-dicamba-tolerant soybean in research, field trials or seed production, including USDA regulated plantings, or seed production fields of dicamba-tolerant soybean MON 87708. Severe injury or destruction of the soybeans will result if soybeans not designated as dicamba-tolerant soybean MON 87708 are sprayed with this product.

Application Instructions

This product will control labeled weeds and non-dicamba- tolerant soybean in research, field trials, or seed production, including USDA regulated plantings, or seed production fields of dicamba-tolerant soybean MON 87708.

Apply up to 44 fluid ounces of this product in 5 to 20 gallons of spray solution per acre as a broadcast spray. A second application up to 44 fluid ounces per acre may be applied after a 21-day interval, if needed, to control weeds or non-dicamba-tolerant soybean plants.

Application Timing. This product may be applied to dicamba-tolerant soybean MON 87708 preplant, preemergence and from emergence to harvest.

Use Restrictions

- Maximum Seasonal Use Rate. Do not exceed a maximum rate of 88 fluid ounces of M1768 Herbicide per acre per year.
- Avoid off-target movement. Use extreme care when applying M1768 Herbicide to prevent injury to non-target plants. Refer to M1768 Herbicide main label for information regarding aerial and ground application recommendations and restrictions.
- Do not feed MON 87708 soybean fodder or hay. Harvested dicamba-tolerant soybean MON 87708 grain, forage and hay cannot be used or processed for food or feed.

M1768 HERBICIDE SUPPLEMENTAL LABEL
FOR USE ON DICAMBA-TOLERANT COTTON GH_S26695 GROWN FOR RESEARCH, FIELD TRIALS, OR SEED PRODUCTION ONLY, INCLUDING USDA REGULATED PLANTINGS OR SEED PRODUCTION

This supplemental label expires May 6, 2017, and must not be used or distributed after this date.

EPA Reg. No. 524-617

Directions For Use

Refer to the M1768 Herbicide main label, EPA Reg. No. 524-617, for complete Directions For Use and all applicable restrictions and precautions. When following the instructions on this supplemental label, the user must have this label and the entire M1768 Herbicide container label in possession at the time of pesticide application.

It is a violation of federal law to use this product in a manner inconsistent with its labeling.

Product Information

Dicamba-tolerant cotton GH_S26695 contains patented technology. Planting of dicamba-tolerant cotton GH_S26695 may only be done under agreement with and following all instructions of Monsanto Company.

This product may be used for weed control and for control of non-dicamba-tolerant cotton in research, field trials or seed production, including USDA regulated plantings, or seed production fields of dicamba-tolerant cotton GH_S26695. Severe injury or destruction of the cotton crop will result if cotton not designated as dicamba-tolerant cotton GH_S26695 is sprayed with this product.

Application Instructions

This product will control labeled weeds and non-dicamba tolerant cotton in research, field trials or seed production, including USDA regulated plantings, or in seed production fields of dicamba-tolerant cotton GH_S26695.
Apply up to 44 fluid ounces of this product in 5 to 20 gallons of spray solution per acre as a broadcast spray. A second application up to 44 fluid ounces per acre may be applied if needed to control weeds or non-dicamba-tolerant cotton plants.

Application timing. This product may be applied to dicamba-tolerant cotton GH_S26695 preplant, pre-emergence and from emergence to harvest.

Use Restrictions

- Maximum seasonal use rate. Do not exceed a maximum rate of 88 fluid ounces of this product per acre per year.
- Avoid off-target movement. Use extreme care when applying M1768 Herbicide to prevent injury to non-target plants. Refer to M1768 Herbicide main label for information regarding aerial and ground application recommendations and restrictions.
- Do not feed GH_S26695 cotton seed or gin trash that is treated with this product. Harvested dicamba-tolerant GH_S26695 cotton treated with M1768 herbicide cannot be used or processed for food or feed.

M1768 HERBICIDE SUPPLEMENTAL LABEL
FOR USE ON DICAMBA-TOLERANT CORN PVCMHT507801 OR PVCMHT507802 GROWN FOR RESEARCH, FIELD TRIALS, OR SEED PRODUCTION ONLY, INCLUDING USDA-REGULATED PLANTINGS OR SEED PRODUCTION

This supplemental label expires May 6, 2017, and must not be used or distributed after this date.

EPA Reg. No. 524-617

Directions For Use

It is a violation of federal law to use this product in a manner inconsistent with its labeling.
The supplemental labeling and the entire M1768 Herbicide container label, EPA Reg. No. 524-617, must be in possession of the user at the time of application.
Read the label affixed to the container for M1768 Herbicide before applying.
Use of M1768 Herbicide according to this labeling is subject to the use precautions and limitations imposed by the label affixed to the container for M1768 Herbicide.

Product Information

Dicamba-tolerant corn PVCMHT507801 and PVCMHT507802 contain patented technology licensed exclusively to Monsanto Company. Planting of dicamba-tolerant corn PVCMHT507801 and PVCMHT507802 may only be done under agreement and following all instructions of Monsanto Company.

This product may be used for weed control and for control of non-dicamba-tolerant corn grown for research, field trials, or seed production only, including USDA-regulated plantings or seed production fields of dicamba-tolerant corn PVCMHT507801 and PVCMHT507802. Severe injury or destruction of the corn will result if corn not designated as dicamba tolerant corn PVCMHT507801 and PVCMHT507802 is sprayed with this product.

Application Instructions

This product can be used to control labeled weeds and non-dicamba-tolerant corn in research, field trials, and seed production, including USDA-regulated plantings, or seed production fields of dicamba-tolerant corn PVCMHT507801 and PVCMHT507802.
Apply up to 44 fluid ounces of this product in 5 to 20 gallons of spray solution per acre as a broadcast spray. A second application up to 44 fluid ounces per acre may be applied if needed to control weeds or non-dicamba-tolerant corn plants.

Application Timing. This product may be applied to dicamba-tolerant corn PVCMHT507801 and PVCMHT507802 preplant, preemergence, and from emergence to harvest.

Use Restrictions

- Maximum seasonal use rate – Do not exceed a maximum rate of 88 fluid ounces of M1768 Herbicide per acre per year.
- Avoid off-target movement - Use extreme care when applying M1768 Herbicide to avoid injury to desirable plants. Refer to M1768 Herbicide main label for information regarding aerial and ground applications.
- Do not feed PVCMHT507801 and PVCMHT507802 corn forage or fodder. Harvested dicamba-tolerant corn PVCMHT507801 and PVCMHT507802 grain, forage, and fodder cannot be used or processed for food or feed.

Please read instructions on reverse before completing form. Form Approved. OMB No. 2070-0060.

EPA United States **Environmental Protection Agency** Washington, DC 20460

☐ Registration ☐ Amendment ☒ Other

OPP Identifier Number

Application for Pesticide – Section I

1. Company/Product Number	2. EPA Product Manager	3. Proposed Classification
Monsanto Company / 524-617	Kay Montague	☐ None ☐ Restricted
4. Company/Product (Name) Monsanto Company / M1768 Herbicide (XtendiMax™ with VaporGrip™ Technology)	PM # 23	
5. Name and Address of Applicant *(Include ZIP Code)* Monsanto Company 1300 I (Eye) Street, NW – Suite 450 East Washington, DC 20005 ☐ Check if this is a new address	6. **Expedited Review.** In accordance with FIFRA Section 3(c)(3) (b)(i), my product is similar or identical in composition and labeling to: EPA Reg. No. _____ Product Name _____	

Section – II

☐ Amendment – Explain below.
☐ Resubmission in response to Agency letter dated
☒ Notification – Explain below.
☐ Final printed labels in response to Agency letter dated
☐ "Me Too" Application.
☐ Other – Explain below.

Explanation: Use additional page(s) if necessary. (For section I and Section II.)

Notification of Minor Revisions to Master Labeling per PR Notice 98-10 For M1768 Herbicide / XtendiMax™ With VaporGrip™ Technology EPA Reg. 524-617

Secton – III

1. Material This Product Will Be Packaged In:

Child-Resistant Packaging	Unit Packaging	Water Soluble Packaging	2. Type of Container
☐ Yes* ☐ No	☐ Yes ☐ No	☐ Yes ☐ No	☐ Metal ☐ Plastic ☐ Glass ☐ Paper ☐ Other (Specify)
***Certification must be submitted**	If "Yes" Unit Packaging wgt. / No. per Container	If "Yes" Package wgt. / No. per Container	

3. Location of Net Contents Information	4. Size(s) Retail Container	5. Location of Label Directions
☐ Label ☐ Container		☐ On Label ☐ On Labeling accompanying product

6. Manner in Which Label is Affixed to Product ☐ Lithograph ☐ Paper glued ☐ Stenciled ☐ Other _____

Section – IV

1. Contact Point *(Complete items directly below for identification of individual to be contacted, if necessary, to process this application.)*

Name	Title	Telephone No. *(Include Area Code)*
James Nyangulu	Regulatory Affairs Manager	202-383-2866

Certification

I certify that the statements I have made on this form and all attachments thereto are true, accurate and complete. I acknowledge that any knowingly false or misleading statement may be punishable by fine or imprisonment or both under applicable law.

6. Date Application Received **(Stamped)**

2. Signature	3. Title	4. Typed Name	5. Date
Jerry W Cubbage	Regulatory Affairs Manager	Jerry W. Cubbage	**August 23, 2016**

EPA Form 8570-1 (Rev. 8-94) Previous editions are obsolete.

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
WASHINGTON, DC 20460

OFFICE OF CHEMICAL SAFETY
AND POLLUTION PREVENTION

August 18, 2016

Jerry W. Cubbage
Monsanto Company
1300 I (eye) Street, NW
Washington DC, 20005

Subject: Notification per PRN 98-10 – Minor label revisions
Product Name: M1769 Premix Herbicide
EPA Registration Number: 524-616
Application Date: 6/9/2016
Decision Number: 519119

Dear Mr. Cubbage:

The Agency is in receipt of your Application for Pesticide Notification under Pesticide Registration Notice (PRN) 98-10. The Registration Division (RD) has conducted a review of this request for its applicability under PRN 98-10 and finds that the request is not acceptable for the following reasons:

1. The proposed revisions to the "Limit of Warranty and Liability" section of the above referenced product includes label language that references a crop technology that has yet to be approved by the Agency.

No further processing of this application will occur. You may submit a new application addressing the deficiencies listed above for future consideration. Our records have been updated accordingly to note that this notification is unacceptable.

If you have any questions, you may contact Grant Rowland at 703-347-0254 or via email at rowland.grant@epa.gov.

Sincerely,

Kathryn V. Montague

Kathryn Montague, Product Manager 23
Herbicide Branch
Registration Division (7505P)
Office of Pesticide Programs

MONSANTO

MONSANTO COMPANY
1300 I (Eye) Street, NW
Suite 450 East
Washington, D.C. 20005
http://www.monsanto.com

June 9, 2016

Jerry W. Cubbage
Regulatory Affairs Manager
314-694-7350

Document Processing Desk (NOTIF)
Office of Pesticide Programs (7504P)
U.S. Environmental Protection Agency
One Potomac Yard
2777 South Crystal Drive, Room S4900
Arlington, VA 22202-4501

Attention: Reuben Baris
PM Team 25

Subject: **Notification of Minor Revisions to Master Labeling per PR Notice 98-10 For M1769 Herbicide / Roundup Xtend™ With VaporGrip™ Technology EPA Reg. 524-616.**

Dear Ms. Montague:

Monsanto is herein notifying new Master Labeling for **M1769 Herbicide**, EPA Reg. No. 524-616. This new version supersedes the version previous approved on April 22, 2014.

The minor revisions in this version of the Master Labeling include the following:

1) Updated Registration Number
2) Added Alternate Brand Name (Notified previously on September 25, 2014)
3) Minor edits in Warranty statement

This notification is consistent with the provisions of PR Notice 98-10 and EPA regulations at 40 CFR 152.46, and no other changes have been made to the labeling or the confidential statement of formula of this product. I understand that it is a violation of 18 U.S.C. Soc. 1001 to willfully make any false statement to EPA. I further understand that if this notification is not consistent with the terms of PR Notice 98-10 and 40 CFR 152.46, this product may be in violation of FIFRA and I may be subject to enforcement action and penalties under sections 12 and14 of FIFRA.

Included in this submission are the following documents:

- Cover letter
- 8570-1 Application form
- Revised Master Labeling

Should you require any additional information or have any questions regarding this submission, please contact Dan Jenkins (202)383-2851 at our Washington DC office, or me by direct telephone (314)694-7350, or electronic mail at jerry.w.cubbage@monsanto.com.

Sincerely,

Jerry W Cubbage

Jerry W. Cubbage, Ph.D.
Regulatory Affairs Manager

Please read instructions on reverse before completing form. Form Approved. OMB No. 2070-0060.

EPA

United States
Environmental Protection Agency
Washington, DC 20460

☐ **Registration**
☐ **Amendment**
☒ **Other**

OPP Identifier Number

Application for Pesticide – Section I

1. Company/Product Number	2. EPA Product Manager	3. Proposed Classification
Monsanto Company / 524-616	Reuben Baris	☐ None ☐ Restricted
4. Company/Product (Name) Monsanto Company / M1769 Premix Herbicide (Roundup Xtend™ with VaporGrip™ Technology)	PM # 25	
5. Name and Address of Applicant *(Include ZIP Code)* Monsanto Company 1300 I (Eye) Street, NW – Suite 450 East Washington, DC 20005 ☐ Check if this is a new address	6. **Expedited Review.** In accordance with FIFRA Section 3(c)(3) (b)(i), my product is similar or identical in composition and labeling to: EPA Reg. No. _____ Product Name _____	

Section – II

☐ Amendment – Explain below.
☐ Resubmission in response to Agency letter dated
☒ Notification – Explain below.
☐ Final printed labels in response to Agency letter dated
☐ "Me Too" Application.
☐ Other – Explain below.

Explanation: Use additional page(s) if necessary. (For section I and Section II.)

Notification of Minor Revisions to Master Labeling per PR Notice 98-10 For M1769 Herbicide / Roundup Xtend™ With VaporGrip™ Technology EPA Reg. 524-616

Secton – III

1. Material This Product Will Be Packaged In:

Child-Resistant Packaging	Unit Packaging		Water Soluble Packaging		2. Type of Container
☐ Yes* ☐ No	☐ Yes ☐ No		☐ Yes ☐ No		☐ Metal ☐ Plastic ☐ Glass ☐ Paper ☐ Other (Specify)
* ***Certification must be submitted***	If "Yes" Unit Packaging wgt.	No. per Container	If "Yes" Package wgt.	No. per Container	

3. Location of Net Contents Information	4. Size(s) Retail Container	5. Location of Label Directions
☐ Label ☐ Container		☐ On Label ☐ On Labeling accompanying product

6. Manner in Which Label is Affixed to Product ☐ Lithograph ☐ Paper glued ☐ Stenciled ☐ Other _____

Section – IV

1. Contact Point *(Complete items directly below for identification of individual to be contacted, if necessary, to process this application.)*

Name	Title	Telephone No. *(Include Area Code)*
Dan Jenkins	U.S. Agency Regulatory Affairs Lead	202-383-2851

Certification

I certify that the statements I have made on this form and all attachments thereto are true, accurate and complete. I acknowledge that any knowingly false or misleading statement may be punishable by fine or imprisonment or both under applicable law.

2. Signature	3. Title	6. Date Application Received (Stamped)
Jerry W Cubbage	Regulatory Affairs Manager	
4. Typed Name Jerry W. Cubbage	5. Date **June 9, 2016**	

EPA Form 8570-1 (Rev. 8-94) Previous editions are obsolete.

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
WASHINGTON, DC 20460

OFFICE OF CHEMICAL SAFETY
AND POLLUTION PREVENTION

July 21, 2015

Jerry W. Cubbage
Regulatory Affairs Manager
1300 I (Eye) Street, NW
Suite 450 East
Washington, DC 20005

Subject: CSF Notification per PRN 98-10 – Adding alternate CSF formulation G and H.
Product Name: M1769 Premix Herbicide
EPA Registration Number: 524-616
Application Date: June 2, 2015
Decision Number: 505634

Dear Mr. Cubbage:

The Agency is in receipt of your Application for Pesticide Notification under Pesticide Registration Notice (PRN) 98-10. The Registration Division (RD) has conducted a review of this request for its applicability under PRN 98-10 and finds that the actions requested fall within the scope of PRN 98-10. The CSFs submitted with your application have been stamped "Notification" and placed in our files.

Please note that the record for this product currently contains the following CSFs:

- Basic CSF dated 09/03/2013
- Alternate CSF A dated 09/03/2013
- Alternate CSF B dated 09/03/2013
- Alternate CSF C dated 09/03/2013
- Alternate CSF D dated 09/03/2013
- Alternate CSF E dated 11/18/2014
- Alternate CSF F dated 11/18/2014
- Alternate CSF G dated 06/02/2015
- Alternate CSF H dated 06/02/2015

Any CSFs other than those listed above are superseded/no longer valid. If you have any questions, please contact Grant Rowland at 703.3470254 or by email at rowland.grant@epa.gov.

Sincerely,

Kathryn V. Montague

Kathryn V. Montague, Product Manager 23
Herbicide Branch
Registration Division (7505P)
Office of Pesticide Programs

MONSANTO

Hand Delivered

MONSANTO COMPANY
1300 I (Eye) Street, NW
Suite 450 East
Washington, D.C. 20005
http://www.monsanto.com

June 2, 2015

Jerry W. Cubbage
Regulatory Affairs Manager
314-694-7350

Document Processing Desk (Notif)
Office of Pesticide Programs
U.S. Environmental Protection Agency
One Potomac Yard
2777 South Crystal Drive, Room S4900
Arlington, VA 22202-4501

Attention: Reuben Baris
Team Leader 25

Subject: M1769 Premix Herbicide, EPA Reg. 524-616
Revised Confidential Statement of Formula (CSF)

Dear Ms. Baris:

The end-use product M1769 Premix Herbicide, EPA Reg. No. 524-616, containing the active ingredients dicamba (in the form of its diglycolamine salt) and glyphosate (in the form of its ethanolamine salt) was registered by EPA on April 22, 2014 with a Confidential Statement of Formula (CSF) including a Basic Formulation as well as Alternative Formulations.

This submission proposes the addition of two Alternative Formulations (dated June 2, 2015) to the existing CSF (dated September 3, 2013 (Basic and Alternates A-D) and dated November 18, 2014 (Alternates E and F)) as outlined in the Confidential Attachment to this letter. Monsanto believes that the proposed changes are minor, that existing data on file supporting this registration are adequate to support such changes to the formulation. Thus the proposed amendments to the formulation should be acceptable and satisfy all of the criteria for a **Minor Formulation Amendment per PR Notice 98-10.**

Once approved, this CSF will supersede any previous versions on this registration.

This notification is consistent with the provisions of PR Notice 98-10 and EPA regulations at 40 CFR 152.46, and no other changes have been made to the labeling or the confidential statement of formula of this product. I understand that it is a violation of 18 U.S.C. Soc. 1001 to willfully make any false statement to EPA. I further understand that if this notification is not consistent with the terms of PR Notice 98-10 and 40 CFR 152.46, this product may be in violation of FIFRA and I may be subject to enforcement action and penalties under sections 12 and 14 of FIFRA.

The following documents are included in this submission:

- Application for Pesticide Amendment – EPA Form 8570-1
- Confidential Statement of Formula – EPA Form 8570-4

Should you require any additional information or have any questions regarding this submission, please contact Dan Jenkins (202)383-2851 at our Washington DC office, or me by direct telephone (314)694-7350, or electronic mail at jerry.w.cubbage@monsanto.com.

Sincerely,

Jerry W. Cubbage, Ph.D.
Regulatory Affairs Manager

cc: File copy
Dan Jenkins, Monsanto DC office

CONFIDENTIAL ATTACHMENT – FIFRA 10(d)(1)(A)

Subject: **M1769 Premix Herbicide, EPA Reg. 524-616**
Revised Confidential Statement of Formula (CSF)

[redacted]

Please read instructions on reverse before completing form. Form Approved. OMB No. 2070-0060.

EPA

United States
Environmental Protection Agency
Washington, DC 20460

☐ **Registration**
☐ **Amendment**
☒ **Other**

OPP Identifier Number

Application for Pesticide – Section I

1. Company/Product Number	2. EPA Product Manager	3. Proposed Classification
Monsanto Company/524-616	Reuben Baris	☐ None ☐ Restricted
4. Company/Product (Name)	PM #	
Monsanto Company/ M1769 Herbicide	25	

5. Name and Address of Applicant *(Include ZIP Code)*
Monsanto Company
1300 I (Eye) Street, NW – Suite 450 East
Washington, DC 20005
☐ Check if this is a new address

6. **Expedited Review.** In accordance with FIFRA Section 3(c)(3) (b)(i), my product is similar or identical in composition and labeling to:
EPA Reg. No. _____
Product Name _____

Section – II

☐ Amendment – Explain below.
☐ Resubmission in response to Agency letter dated
☐ Notification – Explain below.
☐ Final printed labels in response to Agency letter dated
☐ "Me Too" Application.
☒ Other – Explain below.

Explanation: Use additional page(s) if necessary. (For section I and Section II.)

Minor Formulation Amendment per PR Notice 98-10

Section – III

1. Material This Product Will Be Packaged In:

Child-Resistant Packaging	Unit Packaging		Water Soluble Packaging		2. Type of Container
☐ Yes* ☐ No	☐ Yes ☐ No		☐ Yes ☐ No		☐ Metal ☐ Plastic ☐ Glass ☐ Paper ☐ Other (Specify)
***Certification must be submitted**	If "Yes" Unit Packaging wgt.	No. per Container	If "Yes" Package wgt.	No. per Container	

3. Location of Net Contents Information	4. Size(s) Retail Container	5. Location of Label Directions
☐ Label ☐ Container		☐ On Label ☐ On Labeling accompanying product

6. Manner in Which Label is Affixed to Product ☐ Lithograph ☐ Paper glued ☐ Stenciled ☐ Other _____

Section – IV

1. Contact Point *(Complete items directly below for identification of individual to be contacted, if necessary, to process this application.)*

Name	Title	Telephone No. *(Include Area Code)*
Dan Jenkins	U.S. Agency Regulatory Affairs Lead	202-383-2851

Certification

I certify that the statements I have made on this form and all attachments thereto are true, accurate and complete. I acknowledge that any knowingly false or misleading statement may be punishable by fine or imprisonment or both under applicable law.

6. Date Application Received **(Stamped)**

2. Signature	3. Title
Jerry W Cubbage	Regulatory Affairs Manager
4. Typed Name	5. Date
Jerry W. Cubbage	June 2, 2015

EPA Form 8570-1 (Rev. 8-94) Previous editions are obsolete.

Material Sent for Data Extraction

Reg. # 524-616

Description: _____

☐ Material(s) Sent to Data Extraction Contractors:

- ☐ New Stamped Label Dated _____
- ☐ Notification Dated _____
- ☑ New CSF(s) Dated Alt E + F CSFs (dated 11-18-14)
- ☐ Other: _____

☐ Decision #: _____

☐ Other Action/Comments: _____

_____

File this coversheet and attached materials in the jacket. It must be well organized and clipped together, NOT STAPLED. Then give the jacket with the coversheet and materials to staff in the Information Services Center (ISC) (Room S-4900). If a jacket is full or only available as an image, please file materials in a new jacket and bring it down to the (ISC). For further information please call 703-605-0716.

Reviewer: Jeanette Gilchrist

Phone: 305-6965 Division: RD/HB

Date: 2/12/15

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
WASHINGTON, DC 20460

OFFICE OF CHEMICAL SAFETY
AND POLLUTION PREVENTION

February 11, 2015

Ms. Helen E. Mero
Regulatory Affairs Manager
Monsanto Company
1300 I Street, NW, Suite 450 East
Washington, DC 20005

Subject: CSF Amendment – Adding Additional Sources
Alternates E and F CSFs
Product Name: M1769 Premix Herbicide
EPA Registration Number: 524-616
Application Date: November 18, 2014
Decision Number: 498094

Dear Ms. Mero:

The Confidential Statement of Formula (CSF) referred to above, submitted in connection with registration under the Federal Insecticide, Fungicide and Rodenticide Act, as amended, is acceptable.

Please note that the record for this product currently contains the following CSFs:

- Basic CSF dated 09-03-2013
- Alternate CSF A dated 09-03-2013
- Alternate CSF B dated 09-03-2013
- Alternate CSF C dated 09-03-2013
- Alternate CSF D dated 09-03-2013
- Alternate CSF E dated **11-18-2014**
- Alternate CSF F dated **11-18-2014**

2111 55 11-15

Any CSFs other than those listed above are superseded/no longer valid. If you have any questions, please contact Juanita Gilchrist by phone at 703 305-6965, or via email at gilchrist.juanita@epa.gov.

Sincerely,

Mindy Ondish, Acting Product Manager 25
Herbicide Branch
Registration Division (7505P)
Office of Pesticide Programs

Please read instructions on reverse before completing form. Form Approved. OMB No. 2070-0060.

EPA

United States
Environmental Protection Agency
Washington, DC 20460

☐ **Registration**
☒ **Amendment**
☐ **Other**

OPP Identifier Number

Application for Pesticide – Section I

1. Company/Product Number	2. EPA Product Manager	3. Proposed Classification
Monsanto Company/524-616	Mindy Ondish	☐ None ☐ Restricted
4. Company/Product (Name) Monsanto Company/ M1769 Premix Herbicide	PM # 25	

5. Name and Address of Applicant *(Include ZIP Code)*
Monsanto Company
1300 I (Eye) Street, NW – Suite 450 East
Washington, DC 20005
☐ Check if this is a new address

6. **Expedited Review.** In accordance with FIFRA Section 3(c)(3) (b)(i), my product is similar or identical in composition and labeling to:
EPA Reg. No. _____
Product Name _____

Section – II

☒ Amendment – Explain below.
☐ Resubmission in response to Agency letter dated
☐ Notification – Explain below.
☐ Final printed labels in response to Agency letter dated
☐ "Me Too" Application.
☐ Other – Explain below.

Explanation: Use additional page(s) if necessary. (For section I and Section II.)
Revised Confidential Statement of Formula (CSF) to add two Alternative formulas (E and F) to EPA Reg. No. 524-616. Fast track amendment, no PRIA service fee required

Section – III

1. Material This Product Will Be Packaged In:

Child-Resistant Packaging	Unit Packaging		Water Soluble Packaging		2. Type of Container
☐ Yes* ☐ No	☐ Yes ☐ No		☐ Yes ☐ No		☐ Metal ☐ Plastic ☐ Glass ☐ Paper ☐ Other (Specify)
* ***Certification must be submitted***	If "Yes" Unit Packaging wgt.	No. per Container	If "Yes" Package wgt.	No. per Container	

3. Location of Net Contents Information	4. Size(s) Retail Container	5. Location of Label Directions
☐ Label ☐ Container		☐ On Label ☐ On Labeling accompanying product

6. Manner in Which Label is Affixed to Product ☐ Lithograph ☐ Paper glued ☐ Stenciled ☐ Other _____

Section – IV

1. Contact Point *(Complete items directly below for identification of individual to be contacted, if necessary, to process this application.)*

Name	Title	Telephone No. *(Include Area Code)*
Dan Jenkins	U.S. Agency Regulatory Affairs Lead	202-383-2851

Certification

I certify that the statements I have made on this form and all attachments thereto are true, accurate and complete. I acknowledge that any knowingly false or misleading statement may be punishable by fine or imprisonment or both under applicable law.

6. Date Application Received **(Stamped)**

2. Signature	3. Title
Helen Mero.	Regulatory Affairs Manager
4. Typed Name: Helen E. Mero	5. Date: **November 18, 2014**

EPA Form 8570-1 (Rev. 8-94) Previous editions are obsolete.

e-Submission

FAST-TRACK AMENDMENTS – Completeness Screening Checklist

Expert's In-Processing Signature: S.Hill Date: 11/24/14 PM #: 25

EPA Reg. Number: 524-616	EPA Receipt Date: 11/21/14

	Checklist Item	Yes	No	N/A
1	**Application Form** (EPA Form 8570-1) - signed?	x		
2	**Confidential Statement of Formula** (EPA Form 8570-29) - signed?	Y		
3	**Certification with Respect to Citation of Data** (EPA Form 8570-34) - signed?			
4	**Formulator's Exemption Statement** (EPA Form 8570-27) - signed?			
5	**Data Matrix** (EPA Form 8570-35) [Applicable for adding me-too uses] - signed?			
	a) Selective Method?			
	b) Cite-All Method?			
	c) Public copy of Matrix provided? See PR Notice 98-5			
6	**Is Label included?** (5 copies)			
	a) Electronic Label submitted?			

Comments: Inerts approved for intended use
V. Santos
12/3/14
Att. CSFs

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
WASHINGTON, D.C. 20460

November 25, 2014

OFFICE OF CHEMICAL SAFETY
AND POLLUTION PREVENTION

DAN JENKINS
MONSANTO COMPANY
MONSANTO COMPANY
CHESTERFIELD VILLAGE RESEARCH CENTER
1300 I STREET, NW, SUITE 450 EAST
WASHINGTON, DC 20005-

PRODUCT NAME: M1769 PREMIX HERBICIDE
COMPANY NAME: MONSANTO COMPANY
OPP IDENTIFICATION NUMBER:
EPA FILE SYMBOL: 524-616
EPA RECEIPT DATE: 11/21/14

SUBJECT: RECEIPT OF AMENDMENT

DEAR REGISTRANT:

The Office of Pesticide Programs has received your application for an amendment and it has passed an administrative screen for completeness.

During the initial screen we determined that the application appears to qualify for fast track review. The package will now be forwarded to the Product Manager for review to determine its acceptability for fast track status.

If you have any questions, please contact Registration Division, Risk Management Team 25, at (703) 605-0723.

Sincerely,

Front End Processing Staff
Information Services Branch
Information Technology & Resources Management Division

MONSANTO

Hand Delivered

MONSANTO COMPANY
1300 I (Eye) Street, NW
Suite 450 East
Washington, D.C. 20005
http://www.monsanto.com

November 18, 2014

Helen Mero
Regulatory Affairs Manager
314-694-2756

Document Processing Desk (E-SUB)
Office of Pesticide Programs
U.S. Environmental Protection Agency
One Potomac Yard
2777 South Crystal Drive, Room S4900
Arlington, VA 22202-4501

Attention: Mindy Ondish
Team Leader 25

Subject: M1769 Premix Herbicide, EPA Reg. 524-616
Revised Confidential Statement of Formula (CSF)

Dear Ms. Ondish:

The end-use product M1769 Premix Herbicide, EPA Reg. No. 524-616, containing the active ingredients dicamba (in the form of its diglycolamine salt) and glyphosate (in the form of its ethanolamine salt) was registered by EPA on April 22, 2014 with a Confidential Statement of Formula (CSF) including a Basic Formulation as well as Alternative Formulations.

This submission proposes the addition of two Alternative Formulations (dated November 18, 2014) to the existing CSF (dated September 3, 2013) as outlined in the Confidential Attachment to this letter. Monsanto believes that the proposed changes are minor, that existing data on file supporting this registration are adequate to support such changes to the formulation, and that this submission qualify as a fast-track amendment for which no PRIA service fee is required. Furthermore, the revisions to the M1769 Premix Herbicide CSF do not affect the product label for this registration.

The following documents are included in this electronic submission:

- Application for Pesticide Amendment – EPA Form 8570-1
- Confidential Statement of Formula including only the additional proposed Alternative Formulations – EPA Form 8570-4

Should you require any additional information or have any questions regarding this submission, please contact Dan Jenkins (202)383-2851 at our Washington DC office, or me by direct telephone (314)694-2756, or electronic mail at helen.mero@monsanto.com.

Sincerely,

Helen Mero.

Helen Mero
Regulatory Affairs Manager

cc: File copy

e-Submission

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
Washington, D.C. 20460

OFFICE OF
CHEMICAL SAFETY AND
POLLUTION PREVENTION

OPP Decision Number: 493427, 493431
EPA File Symbol or Registration Number: 524-616
Product Name: M1769
EPA Receipt Date: 7/21/2014
EPA Company Number: 524
Company Name: Monsanto Company

Helen Mero
Monsanto Company
1300 I (EYE) Street, NW
Suite 450 East
Confirmation of Request to Withdraw an Application

Dear Ms. Mero,

This is to confirm that the Agency has received and processed your request of **August 11, 2014** to withdraw the above referenced applications. Even when an application is withdrawn, Agency must retain at least 25% of the fee pursuant to FIFRA Section 33(b)(2)(G). When an application is withdrawn within 60 days of the beginning of the PRIA review period, as is the case here, the Agency must refund 75% of the registration service fee. Accordingly, the Agency will refund the difference between what was paid and what the Agency must retain. In this case, the Agency will refund 75% of the registration service fee as soon as practical. Any future submission related to this action must be submitted as a new application that requires the appropriate fee.

If you have questions concerning this letter, please contact the Pesticide Registration Fee Ombudsperson at (703) 305-6249.

Sincerely,

Susan Lewis, Director
Registration Division

ROUTING AND TRANSMITTAL SLIP	Date: 1/05/2015	
TO: *(Name, office symbol, room number, building, Agency/Post)*	**Initials**	**Date**
1. Kathryn Montague, Herbicide Branch, PM 23	KM	1/7/15
2. Dan Kenny, Branch Chief OPP/RD/HB	DK	1/8/15
3. Susan Lewis, Director, Registration Division (RD)	SL	1/9/15
4. Stephen Schaible, Ombudsperson (RD)	SS	1/13/15

FOR: Approval/Signature/

REMARKS:

This letter confirms that the Agency has finished processing a request to withdraw the following application: EPA Registration Number 524-616; a proposed new use on DT Soybeans and DT Cotton.

The registrant was not willing to wait on the time allowed and necessary steps required for an R170 review.

The Agency received the request to withdraw this application within 60 days from the beginning of the PRIA review time. Pursuant to FIFRA Section 33(b)(2)(G), the Agency must retain 25% of the fee and the other 75% of the registration fee paid should be refunded as soon as practicable.

DO NOT use this form as a RECORD of approvals, concurrences, disposals, clearances, and similar actions.

FROM:	**Room Number – Building**
Grant W. Rowland EPA/OPPTS/OPP/RD/HB	S-7337 Potomac Yard One
	Phone Number (703) 347-0254

Registration Division

JAN 13 2015 773

Date Received

MONSANTO

MONSANTO COMPANY
1300 I (Eye) Street, NW
Suite 450 East
Washington, D.C. 20005
http://www.monsanto.com

August 11, 2014

Helen Mero
Regulatory Affairs Manager
314-694-2756

Document Processing Desk (WD)
Office of Pesticide Programs
U.S. Environmental Protection Agency
One Potomac Yard
2777 South Crystal Drive, Room S4900
Arlington, VA 22202-4501

Attention: Kable Bo Davis
PM Team 25

Subject: M1769 Premix Herbicide, EPA Reg. No. 524-616
Request to Withdraw a Pending Registration Application
Amendment to Include Proposed New Uses on DT Soybean and DT Cotton

Dear Mr. Davis:

Two applications were submitted in July this year, each under R170 PRIA Category to request the addition of two proposed new uses to M1769 Premix Herbicide (EPA Reg. No. 524-616). The proposed new uses of dicamba include those on dicamba-tolerant soybean (DT soybean) and dicamba-tolerant cotton (DT cotton). Such uses are currently in review by the EPA under M1691 Herbicide, EPA Reg. No. 524-582 (D-432752 and D-432753 for DT soybean and D-467997 for DT cotton).

Monsanto respectfully requests the withdrawal of those two applications, that any further Agency's review of this action be concluded and applicable PRIA fees already processed be reimbursed. Please find enclosed the receipts from the payment process for these applications.

Should you require any additional information or have any questions regarding this letter, please contact Dan Jenkins (202)383-2851 at our Washington DC office, or me by direct telephone (314)694-2756, or electronic mail at helen.mero@monsanto.com.

Sincerely,

Helen Mero

Helen Mero
Regulatory Affairs Manager

cc: File copy

MERO, HELEN [AG/1000]

EPA

08.12.14

From: PRIARegistrationTracking@epa.gov
Sent: Sunday, August 10, 2014 11:00 PM
To: MERO, HELEN [AG/1000]
Subject: 524-616: PRIA TRACKING MILESTONE # 2

Email: helen.mero@monsanto.com

The payment process for your application has been completed, and your application has been assigned:

File Symbol/Reg #	Product Name	Decision #	Receipt #	PRIA Category	Fee for Service Start Dt	PRIA Due Dt
524-616	M1769 PREM...	493427	955247	R170	11-AUG-14	12-NOV-15

NOTE: If there are multiple rows in the table above, these actions have been identified as being associated and will follow the same PRIA timeline. If multiple PRIA categories are identified, the due date will default to the longest associated timeframe.

If you have requested a fee waiver, EPA has made a decision on this request. The 21-day content screen timeframe has been completed, and any deficiencies have been or will be communicated to you separately.

If your application requires the review and approval of a label and is not a biopesticide, your Pre-decisional Determination Due Date will be either:

two weeks before the PRIA due date (for actions with a decision review time frame <= 12 months), or
four weeks before the PRIA due date (for actions with a decision review time frame > 12 months)

This is an automated email; please do not try to respond to it.

MERO, HELEN [AG/1000]

From: PRIARegistrationTracking@epa.gov
Sent: Sunday, August 10, 2014 11:00 PM
To: MERO, HELEN [AG/1000]
Subject: 524-616: PRIA TRACKING MILESTONE # 2

Email: helen.mero@monsanto.com

The payment process for your application has been completed, and your application has been assigned:

File Symbol/Reg #	Product Name	Decision #	Receipt #	PRIA Category	Fee for Service Start Dt	PRIA Due Dt
524-616	M1769 PREM...	493431	955248	R170	11-AUG-14	12-NOV-15

NOTE: If there are multiple rows in the table above, these actions have been identified as being associated and will follow the same PRIA timeline. If multiple PRIA categories are identified, the due date will default to the longest associated timeframe.

If you have requested a fee waiver, EPA has made a decision on this request. The 21-day content screen timeframe has been completed, and any deficiencies have been or will be communicated to you separately.

If your application requires the review and approval of a label and is not a biopesticide, your Pre-decisional Determination Due Date will be either:

two weeks before the PRIA due date (for actions with a decision review time frame <= 12 months), or
four weeks before the PRIA due date (for actions with a decision review time frame > 12 months)

This is an automated email; please do not try to respond to it.

MONSANTO

MONSANTO COMPANY
1300 I (Eye) Street, NW
Suite 450 East
Washington, D.C. 20005
http://www.monsanto.com

Hand Delivered

July 15, 2014
Helen Mero
Regulatory Affairs Manager
314-694-2756

Document Processing Desk (E-SUB)
Office of Pesticide Programs
U.S. Environmental Protection Agency
One Potomac Yard
2777 South Crystal Drive, Room S4900
Arlington, VA 22202-4501

Attention: Kathryn Montague
PM Team 23

Subject: Amendment to Include Proposed New Use on Dicamba-Tolerant Soybean M1768 Herbicide, EPA Reg. No. 524-617.
PRIA Category R170, Additional Food Use

Dear Ms. Montague:

Dicamba use on dicamba-tolerant soybean (DT soybean) is a proposed new use for M1691 Herbicide, EPA Reg. No. 524-582, that is in review at the EPA (D-432752 and D-432753) and which is expected to be approved by the end of this year. Under this consideration, Monsanto would like to add this new use to M1768 Herbicide (EPA Reg. No. 524-617), in a simultaneous fashion to the approval once it is granted under M1691 Herbicide.

Monsanto believes that addition of the proposed new use to M1768 Herbicide would not require data review, however, since this submission goes to the Agency before the expected approval of such new use, Monsanto considers this regulatory action to fall under PRIA Category R170 and, therefore, subject to a service fee in the amount of $62,975.00. Payment of this PRIA service fee was submitted to the Government Lockbox and a copy of the check is included with this submission.

This application is being submitted electronically on the enclosed compact disk (CD) and contains the following documents in Portable Document Format (PDF):

- This cover letter
- Application for Pesticide Registration – EPA Form 8570-1

- Proof of PRIA fee payment
- Certification with Respect to Citation of Data – EPA Form 8570-34
- Data Matrix (Agency and Public Copies) for data relevant to the new proposed use
- A proposed Supplemental Label under the file name:
  000524-617.20140717.SuppLabelDTsoy.M1768Herbicide.pdf

Should you require any additional information or have any questions regarding this submission, please contact Dan Jenkins (202)383-2851 at our Washington DC office, or me by direct telephone (314)694-2756, or electronic mail at helen.mero@monsanto.com.

Sincerely,

Helen Mero.

Helen Mero
Regulatory Affairs Manager

cc: File copy

Form Approved OMB Nos. 2070-0060; 2070-0057; 2070-0107; 2070-0122; 2070-0164

EPA

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
1200 Pennsylvania Avenue, N.W.
WASHINGTON, D.C. 20460

Paperwork Reduction Act Notice: The public reporting burden for this collection of information is estimated to average 1.25 hours per response for registration and 0.25 hours per response for reregistration and special review activities, including time for reading the instructions and completing the necessary forms. Send comments regarding burden estimate or any other aspect of this collection of information, including suggestions for reducing the burden to: Director, Collection Strategies Division (2822T), U.S. Environmental Protection Agency, 1200 Pennsylvania Avenue, N.W., Washington DC, 20460. Do not send the completed form to this address.

Certification with Respect to Citation of Data

Applicant's/Registrant's Name, Address, and Telephone Number:	EPA Registration Number / File Symbol:
Monsanto Company 1300 I St., N.W., Washington, DC 20005 (202) 383-2866	524-616
Active Ingredient(s) and/or representative test compound(s):	Date:
Glyphosate and Dicamba	July 15, 2014
General Use Pattern(s) (list all those claimed for this product using 40 CFR Part 158)	Product Name :
Terrestrial food crop and non-food crop	M1769 Premix Herbicide

NOTE: If your product is a 100% repackaging of another purchased EPA-registered product labeled for all the same uses on your label, you do not need to submit this form. You must submit the Formulator's Exemption Statement (EPA Form 8570-27).

☐ I am responding to a Data-Call-in Notice, and have included with this form a list of companies sent offers of compensation (the Data Matrix form should be used for this purpose).

Section I: METHOD OF DATA SUPPORT (Check one method only)

☐ I am using the cite-all method of support, and have included with this form a list of companies set offers of compensation (the Data Matrix Form should be used for this purpose).

☒ I am using the selective method of support (or cite-all option under the selective method), and have included with this form a completed list of data requirements (the Data Matrix form must be used).

Section II: GENERAL OFFER TO PAY

☐ [Required if using the cite-all method or when using the cite-all option under the selective method to satisfy one or more data requirements]
I hereby offer and agree to pay compensation, to other persons, with regard to the approval of this application, to the extent required by FIFRA.

Section III: CERTIFICATION

☐ I certify that this application for registration, this form for reregistration, or this Data-Call-In response is supported by all data submitted or cited in the application for registration, the form for registration, or the Data-Call-In response. In addition, if the cite-all option or cite-all option under the selective method is indicated in Section I, this application is supported by all data in the Agency's files that (1) concern the properties or effects of this product or an identical or substantially similar product, one or more of the ingredients in this product; and (2) is a type of data that would be required to be submitted under the data requirements in effect on the date of approval of this application if the application sought the initial registration of a product of identical or similar composition and uses.

☐ I certify that for each exclusive use study cited in support of this registration or reregistration, that I am the original data submitter or that I have obtained the written permission of the original data submitter to cite that study.

☒ I certify that for each study cited in support of this registration or reregistration that is not an exclusive use study, either: (a) I am the original data submitter; (b) I have obtained the permission of the original data submitter to use the study in support of this application; (c) all periods of eligibility for compensation have expired for the study; (d) the study is in the public literature; or (e) I have notified in writing the company that submitted the study and have offered (i) to pay compensation to the extent required by sections 3(c)(1)(F) and/or 3(c)(2)(B) of FIFRA; and (ii) to commence negotiations to determine the amount and terms of compensation, if any, to be paid for the use of the study.

☐ I certify that in all instances where an offer of compensation is required, copies of all offers to pay compensation and evidence of their delivery in accordance with sections 3(c)(1)(F) and/or 3(c)(2)(B) of FIFRA are available and will be submitted to the Agency upon request. Should I fail to produce such evidence to the Agency upon request, I understand that the Agency may initiate action to deny, cancel or suspend the registration of my product in conformity with FIFRA.

I certify that the statements I have made on this form and all attachments to it are true, accurate, and complete. I acknowledge that any knowingly false of misleading statement may be punishable by fine or imprisonment of both under the applicable law.

Signature	Date	Typed or Printed Name and Title
Helen Mero.	July 15, 2014	Helen Mero Regulatory Affairs Manager

EPA Form 8570-34 (12-2003) Electronic and Paper versions available. Submit only Paper version

Monsanto Company NON NEGOTIABLE 1801456153

Accounts Payable Inquiries 314-694-2099, 800 N. Lindbergh, CREVE COEUR, MO 63167 06/25/2014

Vendor Number: 790661

Invoice Number	Date	Gross Amount	Discount/Wthld	Net Amt	Comments
ALMERC062620	06/25/2014	62,975.00	0.00	62,975.00	M1769 Premix DT Soy Permit
Sum Total		62,975.00	0.00	62,975.00	

REMITTANCE ADVICE: The attached check is in full payment of invoices or other charges listed.

EPA COMPANY No.: 524

CHECK HAS A GREEN BACKGROUND • WATERMARK • MICRO PRINT ON BACK • DO NOT CASH IF ALL ARE NOT PRESENT

Monsanto Company 62-20/311

Accounts Payable Inquiries 314-694-2099
800 North Lindbergh, Saint Louis, MO 63167 1801456153

DATE 06/25/2014

VOID IF NOT CASHED WITHIN SIX MONTHS

PAY TO THE ORDER OF

US ENVIRONMENTAL PROTECTION
AGENCY
US BANK
GOVERNMNENT LOCKBOX 979074
SAINT LOUIS MO 63101

********62,975.00*

THIS AMOUNT *SIXTY TWOTHOUSAND NINE HUNDRED SEVENTY-FIVE*** USD

PAYABLE AT CITIBANK, N.A.
ONE PENNS WAY
NEW CASTLE, DE 19720

by

by

Authorized Signatures

U.S. Pat.# 6,095,407

DEMAND SOLUTIONS, INC. • 636-530-7270

Commercial/financial information may be entitled to confidential treatment

⑈1801456153⑈ [redacted]

Please read instructions on reverse before completing form. Form Approved. OMB No. 2070-0060.

EPA

United States
Environmental Protection Agency
Washington, DC 20460

☐ **Registration**
☒ **Amendment**
☐ **Other**

OPP Identifier Number

Application for Pesticide – Section I

1. Company/Product Number	2. EPA Product Manager	3. Proposed Classification
Monsanto Company / 524-616	Kable Bo Davis	☐ None ☐ Restricted
4. Company/Product (Name)	PM #	
Monsanto Company / M1769 Premix Herbicide	25	

5. Name and Address of Applicant *(Include ZIP Code)*
Monsanto Company
1300 I (Eye) Street, NW – Suite 450 East
Washington, DC 20005
☐ Check if this is a new address

6. **Expedited Review.** In accordance with FIFRA Section 3(c)(3) (b)(i), my product is similar or identical in composition and labeling to:
EPA Reg. No. _____
Product Name _____

Section – II

☒ Amendment – Explain below.
☐ Resubmission in response to Agency letter dated
☐ Notification – Explain below.
☐ Final printed labels in response to Agency letter dated
☐ "Me Too" Application.
☐ Other – Explain below.

Explanation: Use additional page(s) if necessary. (For section I and Section II.)

Petition to support an additional food use of M1769 Premix Herbicide (for use on **dicamba-tolerant soybean**), EPA Reg. No. 524-616. PRIA 3 Category R170 with corresponding fee of $ 62,975.00. Payment was submitted to the Government Lockbox in St. Louis, MO. Copy of check is included.

Section – III

1. Material This Product Will Be Packaged In:

Child-Resistant Packaging	Unit Packaging	Water Soluble Packaging	2. Type of Container
☐ Yes* ☐ No	☐ Yes ☐ No	☐ Yes ☐ No	☐ Metal ☐ Plastic ☐ Glass ☐ Paper ☐ Other (Specify)
***Certification must be submitted**	If "Yes" Unit Packaging wgt. / No. per Container	If "Yes" Package wgt. / No. per Container	

3. Location of Net Contents Information	4. Size(s) Retail Container	5. Location of Label Directions
☐ Label ☐ Container		☐ On Label ☐ On Labeling accompanying product

6. Manner in Which Label is Affixed to Product ☐ Lithograph ☐ Paper glued ☐ Stenciled ☐ Other _____

Section – IV

1. Contact Point *(Complete items directly below for identification of individual to be contacted, if necessary, to process this application.)*

Name	Title	Telephone No. *(Include Area Code)*
Dan Jenkins	U.S. Agency Regulatory Affairs Lead	202-383-2851

Certification

I certify that the statements I have made on this form and all attachments thereto are true, accurate and complete. I acknowledge that any knowingly false or misleading statement may be punishable by fine or imprisonment or both under applicable law.

6. Date Application Received **(Stamped)**

2. Signature	3. Title
Helen Mero.	Regulatory Affairs Manager
4. Typed Name	5. Date
Helen E. Mero	**July 15, 2014**

EPA Form 8570-1 (Rev. 8-94) Previous editions are obsolete.

MONSANTO

MONSANTO COMPANY
1300 I (Eye) Street, NW
Suite 450 East
Washington, D.C. 20005
http://www.monsanto.com

Hand Delivered

July 15, 2014

Helen Mero
Regulatory Affairs Manager
314-694-2756

Document Processing Desk (E-SUB)
Office of Pesticide Programs
U.S. Environmental Protection Agency
One Potomac Yard
2777 South Crystal Drive, Room S4900
Arlington, VA 22202-4501

Attention: Kable Bo Davis
PM Team 25

Subject: **Amendment to Include Proposed New Use on Dicamba-Tolerant Cotton M1769 Premix Herbicide, EPA Reg. No. 524-616. PRIA Category R170, Additional Food Use**

Dear Mr. Davis:

Dicamba use on dicamba-tolerant cotton (DT cotton) is a proposed new use for M1691 Herbicide, EPA Reg. No. 524-582, that is in review at the EPA (D-467997) and which is expected to be approved by the end of this year. Under this consideration, Monsanto would like to add this new use to M1769 Premix Herbicide (EPA Reg. No. 524-616), in a simultaneous fashion to the approval once it is granted under M1691 Herbicide.

Monsanto believes that addition of the proposed new use to M1769 Premix Herbicide would not require data review, however, since this submission goes to the Agency before the expected approval of such new use, Monsanto considers this regulatory action to fall under PRIA Category R170 and, therefore, subject to a service fee in the amount of $62,975.00. Payment of this PRIA service fee was submitted to the Government Lockbox and a copy of the check is included with this submission.

This application is being submitted electronically on the enclosed compact disk (CD) and contains the following documents in Portable Document Format (PDF):

- This cover letter
- Application for Pesticide Registration – EPA Form 8570-1

- Proof of PRIA fee payment
- Certification with Respect to Citation of Data – EPA Form 8570-34
- Data Matrix (Agency and Public Copies) for data relevant to the new proposed use
- A proposed Supplemental Label under the file name:
  000524-616.20140717.SuppLabelDTcotton.M1769Premix.pdf

Should you require any additional information or have any questions regarding this submission, please contact Dan Jenkins (202)383-2851 at our Washington DC office, or me by direct telephone (314)694-2756, or electronic mail at helen.mero@monsanto.com.

Sincerely,

Helen Mero.

Helen Mero
Regulatory Affairs Manager

cc: File copy

Form Approved OMB Nos. 2070-0060; 2070-0057; 2070-0107; 2070-0122; 2070-0164

EPA

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
1200 Pennsylvania Avenue, N.W.
WASHINGTON, D.C. 20460

Paperwork Reduction Act Notice: The public reporting burden for this collection of information is estimated to average 1.25 hours per response for registration and 0.25 hours per response for reregistration and special review activities, including time for reading the instructions and completing the necessary forms. Send comments regarding burden estimate or any other aspect of this collection of information, including suggestions for reducing the burden to: Director, Collection Strategies Division (2822T), U.S. Environmental Protection Agency, 1200 Pennsylvania Avenue, N.W., Washington DC, 20460. Do not send the completed form to this address.

Certification with Respect to Citation of Data

Applicant's/Registrant's Name, Address, and Telephone Number:	EPA Registration Number / File Symbol:
Monsanto Company 1300 I St., N.W., Washington, DC 20005 (202) 383-2866	524-616
Active Ingredient(s) and/or representative test compound(s):	Date:
Glyphosate and Dicamba	July 15, 2014
General Use Pattern(s) (list all those claimed for this product using 40 CFR Part 158)	Product Name :
Terrestrial food crop and non-food crop	M1769 Premix Herbicide

NOTE: If your product is a 100% repackaging of another purchased EPA-registered product labeled for all the same uses on your label, you do not need to submit this form. You must submit the Formulator's Exemption Statement (EPA Form 8570-27).

☐ I am responding to a Data-Call-in Notice, and have included with this form a list of companies sent offers of compensation (the Data Matrix form should be used for this purpose).

Section I: METHOD OF DATA SUPPORT (Check one method only)

☐ I am using the cite-all method of support, and have included with this form a list of companies set offers of compensation (the Data Matrix Form should be used for this purpose).

☒ I am using the selective method of support (or cite-all option under the selective method), and have included with this form a completed list of data requirements (the Data Matrix form must be used).

Section II: GENERAL OFFER TO PAY

☐ [Required if using the cite-all method or when using the cite-all option under the selective method to satisfy one or more data requirements] I hereby offer and agree to pay compensation, to other persons, with regard to the approval of this application, to the extent required by FIFRA.

Section III: CERTIFICATION

☐ I certify that this application for registration, this form for reregistration, or this Data-Call-In response is supported by all data submitted or cited in the application for registration, the form for registration, or the Data-Call-In response. In addition, if the cite-all option or cite-all option under the selective method is indicated in Section I, this application is supported by all data in the Agency's files that (1) concern the properties or effects of this product or an identical or substantially similar product, one or more of the ingredients in this product; and (2) is a type of data that would be required to be submitted under the data requirements in effect on the date of approval of this application if the application sought the initial registration of a product of identical or similar composition and uses.

☐ I certify that for each exclusive use study cited in support of this registration or reregistration, that I am the original data submitter or that I have obtained the written permission of the original data submitter to cite that study.

☒ I certify that for each study cited in support of this registration or reregistration that is not an exclusive use study, either: (a) I am the original data submitter; (b) I have obtained the permission of the original data submitter to use the study in support of this application; (c) all periods of eligibility for compensation have expired for the study; (d) the study is in the public literature; or (e) I have notified in writing the company that submitted the study and have offered (i) to pay compensation to the extent required by sections 3(c)(1)(F) and/or 3(c)(2)(B) of FIFRA; and (ii) to commence negotiations to determine the amount and terms of compensation, if any, to be paid for the use of the study.

☐ I certify that in all instances where an offer of compensation is required, copies of all offers to pay compensation and evidence of their delivery in accordance with sections 3(c)(1)(F) and/or 3(c)(2)(B) of FIFRA are available and will be submitted to the Agency upon request. Should I fail to produce such evidence to the Agency upon request, I understand that the Agency may initiate action to deny, cancel or suspend the registration of my product in conformity with FIFRA.

I certify that the statements I have made on this form and all attachments to it are true, accurate, and complete. I acknowledge that any knowingly false of misleading statement may be punishable by fine or imprisonment of both under the applicable law.

Signature	Date	Typed or Printed Name and Title
Helen Mero.	July 15, 2014	Helen Mero Regulatory Affairs Manager

EPA Form 8570-34 (12-2003) Electronic and Paper versions available. Submit only Paper version

Monsanto Company

NON NEGOTIABLE

1801456152

Accounts Payable Inquiries 314-694-2099, 800 N. Lindbergh, CREVE COEUR, MO 63167

06/25/2014

Vendor Number: 790881

Invoice Number	Date	Gross Amount	Discount/Wthld	Net Amt	Comments
ALMERC062620	06/25/2014	62,975.00	0.00	62,975.00	M1769 Premix DGT Cotton Permit
Sum Total		62,975.00	0.00	62,975.00	

REMITTANCE ADVICE: The attached check is in full payment of invoices or other charges listed.

EPA COMPANY No. : 524

CHECK HAS A GREEN BACKGROUND - WATERMARK - MICRO PRINTON BACK - DO NOT CASH IF ALL ARE NOT PRESENT

Monsanto Company

Accounts Payable Inquiries 314-694-2099
800 North Lindbergh, Saint Louis, MO 63167

62-20/311

1801456152

DATE 06/25/2014

VOID IF NOT CASHED WITHIN SIX MONTHS

PAY TO THE ORDER OF

US ENVIRONMENTAL PROTECTION AGENCY
US BANK
GOVERNMNENT LOCKBOX 979074
SAINT LOUIS MO 63101

********62,975.00*

THIS AMOUNT *SIXTY TWOTHOUSAND NINE HUNDRED SEVENTY-FIVE********** USD

PAYABLE AT CITIBANK, N.A.
ONE PENNS WAY
NEW CASTLE, DE 19720

by

by

Authorized Signatures

Commercial/financial information may be entitled to confidential treatment

⑈1801456152⑈ [redacted] [redacted]

Please read instructions on reverse before completing form. Form Approved. OMB No. 2070-0060.

EPA

United States
Environmental Protection Agency
Washington, DC 20460

☐ **Registration**
☒ **Amendment**
☐ **Other**

OPP Identifier Number

Application for Pesticide – Section I

1. Company/Product Number	2. EPA Product Manager	3. Proposed Classification
Monsanto Company / 524-616	Kable Bo Davis	☐ None ☐ Restricted
4. Company/Product (Name)	PM #	
Monsanto Company / M1769 Premix Herbicide	25	

5. Name and Address of Applicant *(Include ZIP Code)*
Monsanto Company
1300 I (Eye) Street, NW – Suite 450 East
Washington, DC 20005
☐ Check if this is a new address

6. **Expedited Review.** In accordance with FIFRA Section 3(c)(3) (b)(i), my product is similar or identical in composition and labeling to:
EPA Reg. No. _____
Product Name _____

Section – II

☒ Amendment – Explain below.
☐ Resubmission in response to Agency letter dated
☐ Notification – Explain below.
☐ Final printed labels in response to Agency letter dated
☐ "Me Too" Application.
☐ Other – Explain below.

Explanation: Use additional page(s) if necessary. (For section I and Section II.)

Petition to support an additional food use of M1769 Premix Herbicide (for use on **dicamba-tolerant cotton**), EPA Reg. No. 524-616. PRIA 3 Category R170 with corresponding fee of $ 62,975.00. Payment was submitted to the Government Lockbox in St. Louis, MO. Copy of check is included.

Section – III

1. Material This Product Will Be Packaged In:

Child-Resistant Packaging	Unit Packaging		Water Soluble Packaging		2. Type of Container
☐ Yes* ☐ No	☐ Yes ☐ No		☐ Yes ☐ No		☐ Metal ☐ Plastic ☐ Glass ☐ Paper ☐ Other (Specify)
***Certification must be submitted**	If "Yes" Unit Packaging wgt.	No. per Container	If "Yes" Package wgt.	No. per Container	

3. Location of Net Contents Information	4. Size(s) Retail Container	5. Location of Label Directions
☐ Label ☐ Container		☐ On Label ☐ On Labeling accompanying product

6. Manner in Which Label is Affixed to Product ☐ Lithograph ☐ Paper glued ☐ Stenciled ☐ Other _____

Section – IV

1. Contact Point *(Complete items directly below for identification of individual to be contacted, if necessary, to process this application.)*

Name	Title	Telephone No. *(Include Area Code)*
Dan Jenkins	U.S. Agency Regulatory Affairs Lead	202-383-2851

Certification

I certify that the statements I have made on this form and all attachments thereto are true, accurate and complete. I acknowledge that any knowingly false or misleading statement may be punishable by fine or imprisonment or both under applicable law.

6. Date Application Received **(Stamped)**

2. Signature	3. Title
Helen Mero.	Regulatory Affairs Manager
4. Typed Name	5. Date
Helen E. Mero	**July 15, 2014**

EPA Form 8570-1 (Rev. 8-94) Previous editions are obsolete.

Please read instructions on reverse before completing form. Form Approved. OMB No. 2070-0060.

EPA

United States
Environmental Protection Agency
Washington, DC 20460

☐ **Registration**
☒ **Amendment**
☐ **Other**

OPP Identifier Number

Application for Pesticide – Section I

1. Company/Product Number	2. EPA Product Manager	3. Proposed Classification
Monsanto Company / 524-616	Kable Bo Davis	☐ None ☐ Restricted
4. Company/Product (Name)	PM #	
Monsanto Company / M1769 Premix Herbicide	25	

5. Name and Address of Applicant *(Include ZIP Code)*
Monsanto Company
1300 I (Eye) Street, NW – Suite 450 East
Washington, DC 20005
☐ Check if this is a new address

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Product Name _____

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Helen Mero.	Regulatory Affairs Manager
4. Typed Name	5. Date
Helen E. Mero	**July 15, 2014**

EPA Form 8570-1 (Rev. 8-94) Previous editions are obsolete.

Please read instructions on reverse before completing form. Form Approved. OMB No. 2070-0060.

EPA

United States
Environmental Protection Agency
Washington, DC 20460

☐ **Registration**
☒ **Amendment**
☐ **Other**

OPP Identifier Number

Application for Pesticide – Section I

1. Company/Product Number	2. EPA Product Manager	3. Proposed Classification
Monsanto Company / 524-616	Kable Bo Davis	☐ None ☐ Restricted
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Monsanto Company / M1769 Premix Herbicide	25	

5. Name and Address of Applicant *(Include ZIP Code)*
Monsanto Company
1300 I (Eye) Street, NW – Suite 450 East
Washington, DC 20005
☐ Check if this is a new address

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EPA Reg. No. _____
Product Name _____

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☐ Yes* ☐ No	☐ Yes ☐ No	☐ Yes ☐ No	☐ Metal ☐ Plastic ☐ Glass ☐ Paper ☐ Other (Specify)
***Certification must be submitted**	If "Yes" Unit Packaging wgt. / No. per Container	If "Yes" Package wgt. / No. per Container	

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Section – IV

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Name	Title	Telephone No. *(Include Area Code)*
Dan Jenkins	U.S. Agency Regulatory Affairs Lead	202-383-2851

Certification

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6. Date Application Received **(Stamped)**

2. Signature	3. Title
Helen Mero.	Regulatory Affairs Manager
4. Typed Name	5. Date
Helen E. Mero	**July 15, 2014**

EPA Form 8570-1 (Rev. 8-94) Previous editions are obsolete.

MONSANTO

MONSANTO COMPANY
1300 I (Eye) Street, NW
Suite 450 East
Washington, D.C. 20005
http://www.monsanto.com

Hand Delivered

October 31, 2014

Helen Mero
Regulatory Affairs Manager
314-694-2756

Document Processing Desk
Office of Pesticide Programs (7504P)
U.S. Environmental Protection Agency
One Potomac Yard
2777 South Crystal Drive, Room S4900
Arlington, VA 22202-4501

Attention: Mindy Ondish
PM Team 25

Subject: **M1769 Premix Herbicide/Roundup Xtend™ With VaporGrip™ Technology**
EPA Reg. 524-616
Submission of Final Printed Labels

Dear Ms. Ondish:

I am submitting final printed labels for M1769 Premix Herbicide, EPA Reg. 524-616. These final printed labels are based on the content of the Master Label approved by EPA on April 22, 2014 for this new registration as well as the EPA acknowledgement brand letter dated October 31, 2014 since these final printed labels are based on that accepted alternate brand name. Included, you will find one copy of the following labels:

- Label booklet containing the complete directions for use, Print Plate # 35007M1-1/53.
- One container label for a 2.5-gallon, non-refillable container, Print Plate # 35007M1-2M.
- Label for bulk material, Print Plate # 35007M1-4/53X2.
- Label for transport vehicles, Print Plate # 35007M1-5/53X2.
- Carton label, Print Plate # 35007M1-3M.

Should you require any additional information or have any questions regarding this submission, please contact Dan Jenkins (202)383-2851 at our Washington DC office, or me by direct telephone (314)694-2756, or electronic mail at helen.mero@monsanto.com.

Sincerely,

Helen Mero.

Helen Mero
Regulatory Affairs Manager

Please read instructions on reverse before completing form. Form Approved. OMB No. 2070-0060.

EPA

United States
Environmental Protection Agency
Washington, DC 20460

☐ **Registration**
☐ **Amendment**
☒ **Other**

OPP Identifier Number

Application for Pesticide – Section I

1. Company/Product Number	2. EPA Product Manager	3. Proposed Classification
Monsanto Company / 524-616	Mindy Ondish	☐ None ☐ Restricted
4. Company/Product (Name) Monsanto Company / M1769 Premix Herbicide	PM # 25	

5. Name and Address of Applicant *(Include ZIP Code)*
Monsanto Company
1300 I (Eye) Street, NW – Suite 450 East
Washington, DC 20005
☐ Check if this is a new address

6. **Expedited Review.** In accordance with FIFRA Section 3(c)(3) (b)(i), my product is similar or identical in composition and labeling to:
EPA Reg. No. _____
Product Name _____

Section – II

☐ Amendment – Explain below.
☐ Resubmission in response to Agency letter dated
☐ Notification – Explain below.
☒ Final printed labels in response to Agency letter dated **April 22, 2014 and October 31, 2014**
☐ "Me Too" Application.
☐ Other – Explain below.

Explanation: Use additional page(s) if necessary. (For section I and Section II.)

Submission of final printed labels including: **1.** booklet (Print Plate # 35007M1-1/53), **2.** container (2.5 gal , Print Plate # 35007M1-2M), **3.** bulk (Print Plate # 35007M1-4/53X2), **4.** transport label (Print Plate # 35007M1-5/53X2), and **5.** carton (Print Plate # 35007M1-3M)

Section – III

1. Material This Product Will Be Packaged In:

Child-Resistant Packaging	Unit Packaging		Water Soluble Packaging		2. Type of Container
☐ Yes* ☐ No	☐ Yes ☐ No		☐ Yes ☐ No		☐ Metal ☐ Plastic ☐ Glass ☐ Paper ☐ Other (Specify)
***Certification must be submitted**	If "Yes" Unit Packaging wgt.	No. per Container	If "Yes" Package wgt.	No. per Container	

3. Location of Net Contents Information	4. Size(s) Retail Container	5. Location of Label Directions
☐ Label ☐ Container		☐ On Label ☐ On Labeling accompanying product

6. Manner in Which Label is Affixed to Product ☐ Lithograph ☐ Paper glued ☐ Stenciled ☐ Other _____

Section – IV

1. Contact Point *(Complete items directly below for identification of individual to be contacted, if necessary, to process this application.)*

Name	Title	Telephone No. (Include Area Code)
Dan Jenkins	U.S. Agency Regulatory Affairs Lead	202-383-2851

Certification

I certify that the statements I have made on this form and all attachments thereto are true, accurate and complete. I acknowledge that any knowingly false or misleading statement may be punishable by fine or imprisonment or both under applicable law.

6. Date Application Received **(Stamped)**

2. Signature	3. Title
Helen Mero.	Regulatory Affairs Manager
4. Typed Name	5. Date
Helen E. Mero	**October 31, 2014**

EPA Form 8570-1 (Rev. 8-94) Previous editions are obsolete.

Certification with Respect to Label Integrity

version: 9/11/02

I certify that the information (including, but not limited to, text, tables, and graphics) contained in the electronic file identified below by file name and submitted with this certification is the same information as that on the paper copies of these documents included with this submission.

PROPOSED LABEL

EPA Registration #	Date Submitted to EPA	Electronic file name
524-616	October 31, 2014	000524-00616.20141031.35007M1-1_53.pdf 000524-00616.20141031.35007M1-2M.pdf 000524-00616.20141031.35007M1-3M.pdf 000524-00616.20141031.35007M1-4_53X2.pdf 000524-00616.20141031.35007M1-5_53X2.pdf

I certify that the statements that I have made on this form are true, accurate, and complete. I acknowledge that any knowingly false or misleading statements may be punishable by fine or imprisonment or both under applicable law.

Helen Mero.

Signature

October 31, 2014

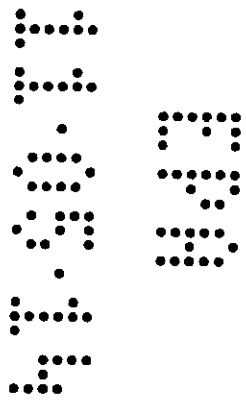
Date

Helen Mero

Name (typed)

Regulatory Affairs Manager

Title



Material Sent for Data Extraction

Reg. # 524-616

Description: New alternate brand name

☑ Material(s) Sent to Data Extraction Contractors:

- ☐ New Stamped Label Dated _____
- ☑ Notification Dated 9-25-14
- ☐ New CSF(s) Dated _____
- ☐ Other: _____

☑ Decision #: 495845

☐ Other Action/Comments: New ~~primary~~ alternate brand name - no label needed

File this coversheet and attached materials in the jacket. It must be well organized and clipped together, NOT STAPLED. Then give the jacket with the coversheet and materials to staff in the Information Services Center (ISC) (Room S-4900). If a jacket is full or only available as an image, please file materials in a new jacket and bring it down to the (ISC). For further information please call 703-605-0716.

Reviewer: Emily Schmid

Phone: 347-0189 Division: RD/HB

Date: 10-31-14

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
WASHINGTON, DC 20460

OFFICE OF CHEMICAL SAFETY
AND POLLUTION PREVENTION

October 31, 2014

Helen E. Mero
Regulatory Affairs Manager
Monsanto Company
1300 I (Eye) Street, NW
Suite 450 East
Washington, DC 20005

Subject: Label Notification per PRN 98-10 – Addition of Alternate Brand Name
Product Name: M1769 Premix Herbicide
EPA Registration Number: 524-616
Application Date: September 25, 2014
Decision Number: 495845

Dear Ms. Mero:

The Agency is in receipt of your Application for Pesticide Notification under Pesticide Registration Notice (PRN) 98-10 for the above referenced product. The Registration Division (RD) has conducted a review of this request for its applicability under PRN 98-10 and finds that the action requested falls within the scope of PRN 98-10.

The alternate brand name Roundup Xtend with VaporGrip Technology has been added to the product record.

If you have any questions, you may contact Emily Schmid at 703-347-0189 or via email at schmid.emily@epa.gov.

Sincerely,

Emily Schmid for

Mindy Ondish, Acting Product Manager 25
Herbicide Branch
Registration Division (7505P)
Office of Pesticide Programs

MONSANTO

MONSANTO COMPANY
1300 I (Eye) Street, NW
Suite 450 East
Washington, D.C. 20005
http://www.monsanto.com

Hand Delivered

September 25, 2014

Helen Mero
Regulatory Affairs Manager
314-694-2756

Document Processing Desk (NOTIF)
Office of Pesticide Programs
U.S. Environmental Protection Agency
One Potomac Yard
2777 South Crystal Drive, Room S4900
Arlington, VA 22202-4501

Attention: Kable Bo Davis
PM Team 25

Subject: Notification of Alternate Brand Name per PR Notice 98-10
M1769 Premix Herbicide, EPA Reg. No. 524-616.

Dear Mr. Davis:

The current Master Label for M1769 Premix Herbicide, EPA Reg. No. 524-616, was accepted by the EPA as a new product registration on April 22, 2014. The present submission is to notify the Agency that the alternate brand name **Roundup Xtend™ With VaporGrip™ Technology** will be included to the Master Label of this product, no other changes to the accepted label are being proposed at this time. Final printed label notification will follow.

This notification is consistent with the provisions of PR Notice 98-10 and EPA regulations at 40 CFR 152.46, and no other changes have been made to the labeling or the confidential statement of formula of this product. I understand that it is a violation of 18 U.S.C. Sec. 1001 to willfully make any false statement to EPA. I further understand that if this notification is not consistent with the terms of PR Notice 98-10 and 40 CFR 152.46, this product may be in violation of FIFRA and I may be subject to enforcement action and penalties under sections 12 and 14 of FIFRA.

Should you require any additional information or have any questions regarding this submission, please contact Dan Jenkins (202)383-2851 at our Washington DC office, or me by direct telephone (314)694-2756, or electronic mail at helen.mero@monsanto.com.

Sincerely,

Helen Mero

Helen Mero
Regulatory Affairs Manager

Please read instructions on reverse before completing form. Form Approved. OMB No. 2070-0060.

United States
Environmental Protection Agency
Washington, DC 20460

☐ Registration
☐ Amendment
☒ Other

OPP Identifier Number

Application for Pesticide – Section I

1. Company/Product Number	2. EPA Product Manager	3. Proposed Classification
Monsanto Company / 524-616	Kable Bo Davis	☐ None ☐ Restricted
4. Company/Product (Name)	PM #	
Monsanto Company / M1769 Premix Herbicide	25	

5. Name and Address of Applicant *(Include ZIP Code)*
Monsanto Company
1300 I (Eye) Street, NW – Suite 450 East
Washington, DC 20005
☐ Check if this is a new address

6. **Expedited Review.** In accordance with FIFRA Section 3(c)(3) (b)(i), my product is similar or identical in composition and labeling to:
EPA Reg. No. _____
Product Name _____

Section – II

☐ Amendment – Explain below.
☐ Resubmission in response to Agency letter dated
☒ Notification – Explain below.
☐ Final printed labels in response to Agency letter dated
☐ "Me Too" Application.
☐ Other – Explain below.

Explanation: Use additional page(s) if necessary. (For section I and Section II.)

Notification of an alternate brand name to Master Label for EPA Reg. No. 524-616. No PRIA service fee required. Alternate brand name: **Roundup Xtend™ With VaporGrip™ Technology**

Section – III

1. Material This Product Will Be Packaged In:

Child-Resistant Packaging	Unit Packaging		Water Soluble Packaging		2. Type of Container
☐ Yes* ☐ No	☐ Yes ☐ No		☐ Yes ☐ No		☐ Metal ☐ Plastic ☐ Glass ☐ Paper ☐ Other (Specify)
* ***Certification must be submitted***	If "Yes" Unit Packaging wgt.	No. per Container	If "Yes" Package wgt.	No. per Container	

3. Location of Net Contents Information	4. Size(s) Retail Container	5. Location of Label Directions
☐ Label ☐ Container		☐ On Label ☐ On Labeling accompanying product

6. Manner in Which Label is Affixed to Product ☐ Lithograph ☐ Paper glued ☐ Stenciled ☐ Other _____

Section – IV

1. Contact Point *(Complete items directly below for identification of individual to be contacted, if necessary, to process this application.)*

Name	Title	Telephone No. *(Include Area Code)*
Dan Jenkins	U.S. Agency Regulatory Affairs Lead	202-383-2851

Certification

I certify that the statements I have made on this form and all attachments thereto are true, accurate and complete. I acknowledge that any knowingly false or misleading statement may be punishable by fine or imprisonment or both under applicable law.

6. Date Application Received **(Stamped)**

2. Signature	3. Title
Helen Mero.	Regulatory Affairs Manager
4. Typed Name	5. Date
Helen E. Mero	**September 25, 2014**

EPA Form 8570-1 (Rev. 8-94) Previous editions are obsolete.

Material Sent for Data Extraction

Reg. # 524-616

Description: Amber

☑ Material(s) Sent to Data Extraction Contractors:

- ☑ New Stamped Label Dated 4-22-14
- ☐ Notification Dated ____________
- ☐ New CSF(s) Dated ____________
- ☐ Other: ____________

☑ Decision #: 483042

☐ Other Action/Comments: ____________

File this coversheet and attached materials in the jacket. It must be well organized and clipped together, NOT STAPLED. Then give the jacket with the coversheet and materials to staff in the Information Services Center (ISC) (Room S-4900). If a jacket is full or only available as an image, please file materials in a new jacket and bring it down to the (ISC). For further information please call 703-605-0716.

Reviewer: Erik Kraus

Phone: Division: 703-5728

Date: 4-22-14

U.S. ENVIRONMENTAL PROTECTION AGENCY Office of Pesticide Programs Registration Division (7505P) 1200 Pennsylvania Ave., N.W. Washington, D.C. 20460	EPA Reg. Number: 524-616	Date of Issuance: 4-22-14
	Term of Issuance: Conditional	
NOTICE OF PESTICIDE: X Registration _ Reregistration (under FIFRA, as amended)	Name of Pesticide Product: M1769 Premix Herbicide	

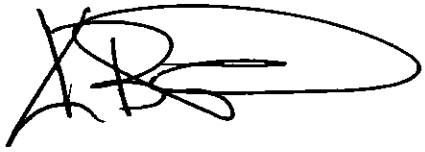
Name and Address of Registrant (include ZIP Code):

Monsanto Company
1300 I (Eye) Street, NW
Suite 450 East
Washington, DC 20005

Note: Changes in labeling differing in substance from that accepted in connection with this registration must be submitted to and accepted by the Registration Division prior to use of the label in commerce. In any correspondence on this product always refer to the above EPA registration number.

On the basis of information furnished by the registrant, the above named pesticide is hereby registered/reregistered under the Federal Insecticide, Fungicide and Rodenticide Act. Registration is in no way to be construed as an endorsement or recommendation of this product by the Agency. In order to protect health and the environment, the Administrator, on his motion, may at any time suspend or cancel the registration of a pesticide in accordance with the Act. The acceptance of any name in connection with the registration of a product under this Act is not to be construed as giving the registrant a right to exclusive use of the name or to its use if it has been covered by others.

This product is registered in accordance with FIFRA section 3(c)(7)(A) provided that you submit and/or cite all data required for registration review of your product when the Agency requires all registrants of similar products to submit data. Glyphosate data requirements are outlined in GDCI-417300-886 under docket ID EPA-HQ-OPP-2009-0361 at www.regulations.gov.

Signature of Approving Official:  Kable "Bo" Davis Product Manager 25 Herbicide Branch, Registration Division (7505P)	Date: 4.22.14

Add the correct EPA Est. # and the correct EPA Reg. # to the label.

Within 12 months of the date of this registration you must submit the results of the 1 year storage stability and corrosion characteristics studies to the Agency.

If these requirements are not complied with, the registration will be subject to cancellation in accordance with FIFRA section 6(e). Your release for shipment of the product constitutes acceptance of these conditions.

A stamped copy of the label is enclosed for your records. Submit one copy of the final printed label for the record before you release the product for shipment.

If you have any questions please contact Erik Kraft at 703-308-9358 or kraft.erik@epa.gov.

MASTER LABEL FOR EPA REG. NO. 524-XXX

Primary Brand Name:

M1769 Premix Herbicide

Table of Contents for Master Label

** See each label part for more detailed table of contents **

ACCEPTED
4-22-14
Under the Federal Insecticide, Fungicide, and Rodenticide Act, as amended, for the pesticide registered under EPA Reg. No. 524-616

I. MAIN LABEL FOR EPA REG. No. 524-XXX

[INSERT BRAND NAME]

Herbicide

Complete Directions for Use

EPA Reg. No. 524-XXX

AVOID CONTACT OF THIS HERBICIDE WITH FOLIAGE, GREEN STEMS, EXPOSED NON-WOODY ROOTS OR FRUIT OF CROPS (EXCEPT AS SPECIFIED FOR INDIVIDUAL ROUNDUP READY® CROPS), DESIRABLE PLANTS AND TREES, AS SEVERE INJURY OR DESTRUCTION COULD RESULT.

Non-selective, broad-spectrum weed control for many agricultural systems and farmsteads

[*Optional label statement*: CROPSHIELD™ Formulation]

[*Optional label statement*: Roundup® – Powerful Performance at a Practical Price]

[*Optional label statement*: Roundup Ready PLUS™ – Weed Management Solutions]

[*Optional label statement*: A member of the Roundup® Family of Agricultural Herbicides by Monsanto]

Read the entire label before using this product.

Use only according to label instructions.

Read the "LIMIT OF WARRANTY AND LIABILITY" statement at the end of the label before buying or using. If terms are not acceptable, return at once unopened.

THIS IS AN END-USE PRODUCT. MONSANTO COMPANY DOES NOT INTEND AND HAS NOT REGISTERED IT FOR REFORMULATION. SEE INDIVIDUAL CONTAINER LABEL FOR REPACKAGING LIMITATIONS.

Net contents:

EPA Establishment No.:

CONTENTS

1.0 INGREDIENTS

ACTIVE INGREDIENT:
*Diglycolamine salt of dicamba (3,6-dichloro-*o*-anisic acid) 14.5%
*Glyphosate, N-(phosphonomethyl)glycine, in the form of its ethanolamine salt 29.2%
OTHER INGREDIENTS: 56.3%
Total: 100.0%

*Contains 178 grams per liter or 1.5 pounds per U.S. gallon of the active ingredient dicamba in the form of its diglycolamine salt, which is equivalent to 120 grams per liter or 1.0 pounds per U.S. gallon of the acid, dicamba.

Contains 360 grams per liter or 3.0 pounds per U.S. gallon of the active ingredient glyphosate, in the form of its ethanolamine salt, which is equivalent to 242 grams per liter or 2.0 pounds per U.S. gallon of the acid, glyphosate.

This product is protected by U.S. Patent No's. XXXX, XXXX and XXXXX. Other Patents Pending. No license granted under any non-U.S. patent(s). [*This listing will be updated at the time of printing, if necessary.*]

EPA Establishment No. 524-IA-01

2.0 IMPORTANT PHONE NUMBERS

1. FOR PRODUCT INFORMATION OR ASSISTANCE IN USING THIS PRODUCT, CALL TOLL-FREE,
   1-800-332-3111
2. IN CASE OF AN EMERGENCY INVOLVING THIS HERBICIDE PRODUCT, OR FOR MEDICAL ASSISTANCE, CALL COLLECT, DAY OR NIGHT,
   (314)-694-4000

3.0 PRECAUTIONARY STATEMENTS

3.1 Hazards to Humans and Domestic Animals

Keep out of reach of children

CAUTION!

CAUSES MODERATE EYE IRRITATION

Avoid contact with eyes, skin, or clothing

FIRST AID: Call a poison control center or doctor for treatment advice.	
IF IN EYES	• Hold eye open and rinse slowly and gently with water for 15 to 20 minutes. • Remove contact lenses if present after the first 5 minutes then continue rinsing eye.
IF ON SKIN	• Take off contaminated clothing. • Rinse skin immediately with plenty of water for 15 to 20 minutes.
• Have the product container or label with you when calling a poison control center or doctor, or going for treatment. • You can call **(314) 694-4000**, collect day or night, for emergency medical treatment information. • This product is identified as **[INSERT BRAND NAME], EPA Registration No. 524-XXX.**	

Personal Protective Equipment (PPE)

Some of the materials that are chemical-resistant to this product are listed below. If you want more options, follow the instructions for Category A on an EPA chemical resistance category selection chart.

All mixers, loaders, applicators and other handlers must wear: long-sleeved shirt and long pants, socks, shoes, and chemical-resistant gloves made of any waterproof material such as polyethylene or polyvinyl chloride.

Follow manufacturer's instructions for cleaning/maintaining PPE (Personal Protective Equipment). If no such instructions for washables exist, use detergent and hot water. Keep and wash PPE separately from other laundry.

When handlers use closed systems, or enclosed cabs in a manner that meets the requirements listed in the Worker Protection Standard (WPS) for agricultural pesticides [40 CFR 170.240 (d) (4-6)], the handler PPE requirements may be reduced or modified as specified in the WPS.

IMPORTANT: When reduced PPE is worn because a closed system is being used, handlers must be provided all PPE specified above for "all mixers, loaders, applicators and other handlers" and have such PPE immediately available for use in an emergency, such as a spill or equipment breakdown.

User Safety Recommendations

Users should:

- Wash hands before eating, drinking, chewing gum, using tobacco, or using the toilet
- Remove clothing immediately if pesticide gets inside. Then wash thoroughly and put on clean clothing.
- Remove PPE immediately after handling this product. Wash the outside of gloves before removing. As soon as possible, wash thoroughly and change into clean clothing

3.2 Environmental Hazards

Keep out of lakes, streams or ponds. Do not apply directly to water, to areas where surface water is present or to intertidal areas below the mean high water mark. Do not contaminate water when cleaning equipment or disposing of equipment washwater or rinsate.

This chemical is known to leach through soil into ground water under certain conditions as a result of agricultural use. Use of this chemical in areas where soils are permeable, particularly where the water table is shallow, may result in ground water contamination.

Ground and Surface Water Protection

Point source contamination - To prevent point source contamination, do not mix or load this pesticide product within 50 feet of wells (including abandoned wells and drainage wells), sink holes, perennial or intermittent streams and rivers, and natural or impounded lakes and reservoirs. Do not apply pesticide product within 50 feet of wells. This setback does not apply to properly capped or plugged abandoned wells and does not apply to impervious pad or properly diked mixing/loading areas as described below.

Mixing, loading, rinsing, or washing operations performed within 50 feet of a well are allowed only when conducted on an impervious pad constructed to withstand the weight of the heaviest load that may be on

or move across the pad. The pad must be self-contained to prevent surface water flow over or from the pad. The pad capacity must be maintained at 110% that of the largest pesticide container or application equipment used on the pad and have sufficient capacity to contain all product spills, equipment or container leaks, equipment wash waters, and rainwater that may fall on the pad. The containment capacity does not apply to vehicles delivering pesticide shipments to the mixing/loading site. States may have in effect additional requirements regarding wellhead setbacks and operational containment.

Care must be taken when using this product to prevent: a) back siphoning into wells, b) spills or c) improper disposal of excess pesticide, spray mixtures or rinsates. Check valves or anti-siphoning devices must be used on all mixing equipment.

Movement by surface runoff or through soil - Do not apply under conditions which favor runoff. Do not apply to impervious substrates such as paved or highly compacted surfaces in areas with high potential for ground water contamination. Ground water contamination may occur in areas where soils are permeable or coarse and ground water is near the surface. Do not apply to soils classified as sand with less than 3% organic matter and where ground water depth is shallow. To minimize the possibility of ground water contamination, carefully follow application rate as affected by soil type in the Crop Specific Information in section 10 of this label.

Movement by water erosion of treated soil - Do not apply or incorporate this product through any type of irrigation equipment nor by flood or furrow irrigation. Ensure treated areas have received at least one-half inch rainfall (or irrigation) before using tailwater for subsequent irrigation of other fields. Do not treat irrigation ditches or water used for crop irrigation or domestic purposes.

Endangered Species Concerns

The use of any pesticide in a manner that may kill or otherwise harm an endangered species or adversely modify their habitat is a violation of federal law

3.3 Physical or Chemical Hazards

Spray solutions of this product can be mixed, stored and applied using only stainless steel, fiberglass, plastic or plastic-lined steel containers.

DO NOT MIX, STORE OR APPLY THIS PRODUCT OR SPRAY SOLUTIONS OF THIS PRODUCT IN GALVANIZED STEEL OR UNLINED STEEL (EXCEPT STAINLESS STEEL) CONTAINERS OR SPRAY TANKS. This product or spray solutions of this product react with such containers and tanks to produce hydrogen gas, which can form a highly combustible gas mixture. This gas mixture could flash or explode if ignited by open flame, spark, welder's torch, lighted cigarette or other ignition source, causing serious personal injury.

DIRECTIONS FOR USE

It is a violation of Federal law to use this product in any manner inconsistent with its labeling. This product can only be used in accordance with the Directions for Use on this label or in separately published Monsanto supplemental labeling. Supplemental labeling can be obtained from your Authorized Monsanto Retailer or Monsanto Company Representative.

Do not apply this product in a way that will contact workers or other persons, either directly or through drift. Only protected handlers may be in the area during application. For any requirements specific to your State or Tribe, consult the agency responsible for pesticide regulations.

Agricultural Use Requirements

Use this product only in accordance with its labeling and with the Worker Protection Standard, 40 CFR Part 170. This Standard contains requirements for the protection of agricultural workers on farms, forests, nurseries, and greenhouses, and handlers of agricultural pesticides. It contains requirements for training, decontamination, notification, and emergency assistance. It also contains specific instructions and exceptions pertaining to the statements on this label about personal protective equipment (PPE) and restricted-entry interval. The requirements in this box only apply to uses of this product that are covered by the Worker Protection Standard.

Do not enter or allow worker entry into treated areas during the restricted-entry interval (REI) of 24 hours.

PPE required for early entry to treated areas that is permitted under the Worker Protection Standard and that involves contact with anything that has been treated, such as plants, soil, or water, wear: coveralls, shoes plus socks, chemical-resistant gloves made of any waterproof material, and protective eyewear.

4.0 STORAGE AND DISPOSAL

Proper pesticide storage and disposal are essential to protect against exposure to people and the environment due to leaks and spills, excess product or waste, and vandalism. Do not allow this product to contaminate water, foodstuffs, feed or seed by storage and disposal.

Open dumping is prohibited. This product may not be mixed, loaded, or used within 50 feet of all wells including abandoned wells, drainage wells, and sinkholes.

PESTICIDE STORAGE: Groundwater contamination may be reduced by diking and flooring of permanent liquid bulk storage sites with an impermeable material. Spillage or leakage should be contained and absorbed with clay granules, sawdust, or equivalent material for disposal.

Store in original container in a well-ventilated and away from food, pet food, feed, seed, fertilizers, and veterinary supplies. Avoid cross-contamination with other pesticides. Keep container closed to prevent spills and contamination.

PESTICIDE DISPOSAL: To avoid wastes, use all material in this container, including rinsate, by application according to label directions. If wastes cannot be avoided, offer remaining product to a waste disposal facility or pesticide disposal program. Such programs are often run by state or local governments or by industry. All disposal must be in accordance with applicable federal, state and local regulations and procedures.

[*Alternate PESTICIDE DISPOSAL statement for transport vehicles only:* To avoid wastes, empty as much product from this transport vehicle as possible for repackaging or use in accordance with label directions. If wastes cannot be avoided, offer remaining product or rinsate to a waste disposal facility or pesticide disposal program. All disposal must be in accordance with applicable federal, state and local regulations and procedures.]

CONTAINER HANDLING AND DISPOSAL: [*Optional label statement if applicable*: See container label for container handling and disposal instructions and refilling limitations.]

[*CONTAINER HANDLING AND DISPOSAL STATEMENTS AND REFILLING LIMITATIONS FOR CONTAINER LABELS*]

[*CONTAINER HANDLING AND DISPOSAL STATEMENT AND REFILLING LIMITATION FOR NONREFILLABLE RIGID CONTAINERS OF LESS THAN 1-GALLON CAPACITY*]

Nonrefillable container. Do not reuse or refill this container.

[*Alternate container statement:* Nonrefillable container. Do not reuse this container to hold materials other than pesticides or dilute pesticides (rinsate). After emptying and cleaning, it may be allowable to temporarily hold rinsate or other pesticide-related materials in the container. Contact your state regulatory agency to determine allowable practices in your state.]

Triple rinse this container promptly after emptying.

Triple rinse as follows: Empty the remaining contents into application equipment or a mix tank and drain for 10 seconds after the flow begins to drip. Fill the container ¼ full with water and recap. Shake for 10 seconds. Pour rinsate into application equipment or a mix tank or store rinsate for later use or disposal. Drain for 10 seconds after the flow begins to drip. Repeat this procedure two more times.

Then offer this container for recycling, if available. If recycling is not available, dispose of in accordance with federal, state and local regulations and procedures, which may include puncturing the properly rinsed container and disposing in a sanitary landfill.

[*Alternate container disposal statement:* Once properly rinsed, some agricultural plastic pesticide containers can be taken to a container collection site or picked up for recycling. To find the nearest site, contact your chemical dealer or Monsanto at 1-800-ROUNDUP (1-800-768-6387). If recycling is not available, dispose of in accordance with federal, state and local regulations and procedures, which may include puncturing the properly rinsed container and disposing in a sanitary landfill.]

[*CONTAINER HANDLING AND DISPOSAL STATEMENT AND REFILLING LIMITATION FOR NONREFILLABLE RIGID PLASTIC 2.5-GALLON CONTAINERS AND OTHER NONREFILLABLE CONTAINERS OF GREATER THAN 1-GALLON BUT EQUAL TO OR LESS THAN 5-GALLON CAPACITY*]

Nonrefillable container. Do not reuse this container to hold materials other than pesticides or dilute pesticides (rinsate). After emptying and cleaning, it may be allowable to temporarily hold rinsate or other pesticide-related materials in the container. Contact your state regulatory agency to determine allowable practices in your state.

[*Alternate container statement:* Nonrefillable container. Do not reuse or refill this container.]

Triple rinse or pressure rinse (or equivalent) this container promptly after emptying.

Triple rinse as follows: Empty the remaining contents into application equipment or a mix tank and drain for 10 seconds after the flow begins to drip. Fill the container ¼ full with water and recap. Shake for 10 seconds. Pour rinsate into application equipment or a mix tank or store rinsate for later use or disposal. Drain for 10 seconds after the flow begins to drip. Repeat this procedure two more times.

Pressure rinse as follows: Empty the remaining contents into application equipment or a mix tank and continue to drain for 10 seconds after the flow begins to drip. Hold container upside down over

application equipment or mix tank or collect rinsate for later use or disposal. Insert pressure rinsing nozzle in the side of the container, and rinse at about 40 PSI for at least 30 seconds. Drain for 10 seconds after the flow begins to drip.

Once properly rinsed, some agricultural plastic pesticide containers can be taken to a container collection site or picked up for recycling. [*Optional container disposal statement:* To find the nearest site, contact your chemical dealer or Monsanto at 1-800-ROUNDUP (1-800-768-6387)]. If recycling is not available, dispose of in accordance with federal, state and local regulations and procedures, which may include puncturing the properly rinsed container and disposing in a sanitary landfill.

[*Alternate container disposal statement:* Then offer this container for recycling, if available. If recycling is not available, dispose of in accordance with federal, state and local regulations and procedures, which may include puncturing the properly rinsed container and disposing in a sanitary landfill.]

[*CONTAINER HANDLING AND DISPOSAL STATEMENT AND REFILLING LIMITATION FOR NONREFILLABLE RIGID PLASTIC 30-GALLON CONTAINERS AND OTHER NONREFILLABLE CONTAINERS OF GREATER THAN 5-GALLON CAPACITY*]

Nonrefillable container. Do not reuse or refill this container.

[*Alternate container statement:* Nonrefillable container. Do not reuse this container to hold materials other than pesticides or dilute pesticides (rinsate). After emptying and cleaning, it may be allowable to temporarily hold rinsate or other pesticide-related materials in the container. Contact your state regulatory agency to determine allowable practices in your state.]

Triple rinse or pressure rinse (or equivalent) this container promptly after emptying.

Triple rinse as follows: Empty the remaining contents into application equipment or a mix tank. Fill the container ¼ full with water. Replace and tighten closures. Tip container on its side and roll it back and forth, ensuring at least one revolution, for 30 seconds. Stand the container on its end and tip it back and forth several times. Turn the container over onto its other end and tip it back and forth several times. Empty the rinsate into application equipment or a mix tank or store rinsate for later use or disposal. Repeat this procedure two more times.

Pressure rinse as follows: Empty the remaining contents into application equipment or a mix tank and continue to drain for 10 seconds after the flow begins to drip. Hold container upside down over application equipment or mix tank or collect rinsate for later use or disposal. Insert pressure rinsing nozzle in the side of the container, and rinse at about 40 PSI for at least 30 seconds. Drain for 10 seconds after the flow begins to drip.

Once properly rinsed, some agricultural plastic pesticide containers can be taken to a container collection site or picked up for recycling. [*Alternate container disposal statement:* To find the nearest site, contact your chemical dealer or Monsanto at 1-800-ROUNDUP (1-800-768-6387)]. If recycling is not available, dispose of in accordance with federal, state and local regulations and procedures, which may include puncturing the properly rinsed container and disposing in a sanitary landfill.

[*Alternate container disposal statement:* Then offer the container for recycling, if available. If recycling is not available, dispose of in accordance with federal, state and local regulations and procedures, which may include puncturing the properly rinsed container and disposing in a sanitary landfill.]

[*Optional container label statement:* Return Properly Rinsed Container to Monsanto for Recycling Contact: 1-800-ROUNDUP (1-800-768-6387)]

[*CONTAINER HANDLING AND DISPOSAL STATEMENT AND REFILLING LIMITATION FOR ALL REFILLABLE CONTAINERS, EXCEPT TRANSPORT VEHICLES*]

Refillable container. Refill this container with pesticide only. Do not reuse this container for any other purpose.

Cleaning this container before refilling is the responsibility of the refiller. Cleaning this container before final disposal is the responsibility of the person disposing of the container.

To clean this container before final disposal, empty the remaining contents from this container into application equipment or a mix tank. Fill the container about 10 percent full with water. Agitate vigorously or recirculate water with the pump for 2 minutes. Pour or pump rinsate into application equipment or rinsate collection system. Repeat this rinsing procedure two more times. Then offer this container for recycling, if available.

[*Optional container disposal statement:* To obtain information about recycling refillable containers, contact Monsanto Company at 1-800-ROUNDUP (1-800-768-6387)]

[*Optional container label statement:* Return Properly Rinsed Container to Monsanto for Recycling, Call 1-800-ROUNDUP (1-800-768-6387)]

[*CONTAINER HANDLING AND DISPOSAL STATEMENT FOR ALL TRANSPORT VEHICLES AS DEFINED IN 40 CFR 156.3]*

THIS LABEL FOR USE WITH TRANSPORT VEHICLES ONLY

Emptied container retains vapor and product residue. Observe all precautions stated on this label until the container is cleaned, reconditioned or destroyed. Prior to refilling, inspect carefully for damage such as cracks, punctures, abrasions, and worn-out threads and closures. Clean thoroughly before reuse for transportation of a material of different composition or before retiring this transport vehicle from service.

5.0 PRODUCT INFORMATION

Product Description: This product is a postemergence, systemic herbicide which can have some soil residual control on small seeded broadleaf weeds, depending upon rainfall and soil conditions. It is generally non-selective and gives broad-spectrum control of many annual weeds, perennial weeds, woody brush and trees. It is formulated as a water-soluble liquid. It may be applied using most standard industrial or field sprayers after dilution and thorough mixing with water or other carriers according to label directions.

[*Optional label text:* Do not add [*Optional label text:* surfactants, additives containing surfactants,] buffering agents or pH adjusting agents to the spray solution when [**INSERT BRAND NAME**] is the only pesticide being applied unless otherwise directed. See the MIXING section of this label for instructions regarding other additives.]

[*Optional label text:* No additional surfactant in the spray solution is needed. This includes additives containing surfactants, buffering agents or pH adjusting agents when **[INSERT BRAND NAME]** is the only pesticide used unless otherwise directed.]

Time to Symptoms: This product moves through the plant from the point of foliage contact to and into the root system. Visible effects are a gradual wilting and yellowing of the plant that advances to complete browning of aboveground growth and deterioration of underground plant parts. Effects are visible on most annual weeds within 2 to 4 days. Extremely cool or cloudy weather following treatment can slow activity of this product and delay development of visual symptoms.

Stage of Weeds: Control weeds early when they are relatively small (less than 4 inches). Timely application to small weeds early in the season will improve control and reduce weed competition. Best control of most perennial weeds is obtained when treatment is made at late-growth stages approaching maturity. Refer to the "ANNUAL WEEDS RATE SECTION", "PERENNIAL WEEDS RATE SECTION" and "WOODY BRUSH AND TREES RATE SECTION" for more information on specific weeds.

Always use the higher product application rate within the given range when weed growth is heavy or dense, or when weeds are growing in an undisturbed (non-cultivated) area.

Reduced weed control could result when treating weeds with disease or insect damage, weeds heavily covered with dust, or weeds under poor growing conditions.

Cultural Considerations: Reduced control could result when application is made to annual or perennial weeds that have been mowed, grazed or cut, and have not been allowed to re-grow to the specified stage for treatment.

Rainfastness: Heavy rainfall soon after application could wash this product off of the foliage and a repeat application might be required for adequate weed control.

Spray Coverage: For best results, spray coverage must be uniform and complete. Do not spray foliage to the point of runoff.

Stress: Do not apply to crops under stress due to lack of moisture, hail damage, flooding, herbicide injury, mechanical injury, insects, or widely fluctuating temperatures as injury may result.

Mode of Action: Dicamba, one active ingredient in this product, mimics auxin (a plant hormone) resulting in a hormone imbalance in susceptible plants that interferes with normal cell division, cell enlargement, and protein synthesis. Glyphosate, the other active ingredient in this product, inhibits an enzyme found only in plants and microorganisms that is essential to the formation of specific amino acids.

Maximum Application Rates: The maximum application or use rates stated throughout this label are given in units of volume (fluid ounces or quarts) of this product per acre. However, the maximum allowed application rates apply to this product combined with the use of any and all other herbicides containing the active ingredients glyphosate or dicamba, whether applied separately or as a tank mixture, on a basis of total pounds of glyphosate or dicamba (acid equivalents) per acre. If more than one glyphosate or dicamba-containing product is applied to the same site within the same year, you must ensure that the total use of glyphosate and dicamba (pounds acid equivalents) does not exceed the maximum allowed. See the INGREDIENTS section of this label for necessary product information.

The combined total application of this product on a site must not exceed 8 quarts (2 pounds of dicamba acid) per acre per year. If additional glyphosate only applications are needed, total combined application must not exceed 6 pounds of glyphosate acid per acre per year. When less than 64 fluid ounces of this

product is used per acre, tank-mix an additional 11 fluid ounces of a Roundup Brand Agricultural Herbicide per acre to maintain an effective rate of glyphosate.

NOTE: Use of this product in any manner not consistent with this label could result in injury to persons, animals or crops, or have other unintended consequences.

6.0 WEED RESISTANCE MANAGEMENT

GROUP	4	9	HERBICIDES

Dicamba is a Group 4 herbicide whereas glyphosate is a Group 9 herbicide based on the mode of action classification system of the Weed Science Society of America. Any weed population can contain plants naturally resistant to Group 4 or 9 herbicides. Weed species resistant to Group 4 or 9 herbicides can be effectively managed utilizing another herbicide from a different Group, or by using other cultural or mechanical practices.

6.1 Weed Management Practices

To minimize the occurrence of dicamba or glyphosate-resistant biotypes, observe the following weed management practices:

- Scout your fields before and after herbicide application.
- Start with a clean field, using either a burndown herbicide application or tillage.
- Control weeds early when they are relatively small (less than 4 inches).
- Incorporate other herbicides (e.g., a selective and/or a residual herbicide) and cultural practices (e.g., tillage or crop rotation) as part of your weed control system, where appropriate.
- Use the full recommended herbicide rate and proper application timing for the hardest to control weed species present in the field. Avoid tank mixtures with other herbicides that reduce the efficacy of this product (through antagonism), or with ones that encourage application rates of this product below those specified on this label.
- Control weed escapes before they reproduce by seed or proliferate vegetatively.
- Clean equipment before moving from field to field to minimize the spread of weed seed or plant parts.
- Use new commercial seed that is as free of weed seed as possible.
- Use good agronomic principles that enhance crop development and crop competitiveness.
- Report any incidence of repeated non-performance of this product on a particular weed to your Monsanto representative, local retailer, or county extension agent.

6.2 Management of Dicamba or Glyphosate-Resistant Biotypes

Note: Appropriate testing is critical in order to determine if a weed is resistant to dicamba or glyphosate. Call 1-800-ROUNDUP (1-800-768-6387) or contact your Monsanto representative to determine if resistance in any particular weed biotype has been confirmed in your area, or visit on the Internet

www.weedresistancemanagement.com or www.weedscience.org. For more information see the ANNUAL WEEDS RATE SECTION and PERENNIAL WEEDS RATE SECTION of this label.

Directions for the control of biotypes confirmed to be resistant to dicamba or glyphosate are made available on separately published supplemental labeling or Fact Sheets for this product and can be obtained from your local retailer or Monsanto representative.

Since the occurrence of new dicamba or glyphosate-resistant weeds cannot be determined until after product use and scientific confirmation, Monsanto Company is not responsible for any losses that result from the failure of this product to control dicamba or glyphosate-resistant weed biotypes.

The following good agronomic practices can reduce the spread of confirmed dicamba or glyphosate-resistant biotypes:

- If a naturally occurring resistant biotype is present in your field, this product may be tank-mixed or applied sequentially with an appropriately labeled herbicide with a different mode of action to achieve control.
- Cultural and mechanical control practices (e.g., crop rotation or tillage) can also be used as appropriate.
- Scout treated fields after herbicide application and control weed escapes, including resistant biotypes, before they set seed.
- Thoroughly clean equipment before leaving fields known to contain resistant biotypes.

7.0 MIXING

Spray solutions of this product may be mixed, stored and applied using only clean stainless steel, fiberglass, plastic or plastic-lined steel containers.

DO NOT MIX, STORE OR APPLY THIS PRODUCT OR SPRAY SOLUTIONS OF THIS PRODUCT IN GALVANIZED STEEL OR UNLINED STEEL (EXCEPT STAINLESS STEEL) CONTAINERS OR SPRAY TANKS.

Eliminate any risk of siphoning the contents of the tank back into the carrier source while mixing. Use approved anti-back-siphoning devices where required by State or local regulations.

Clean sprayer parts promptly after using this product by thoroughly flushing with water.

7.1 Mixing with Water

PRODUCT PERFORMANCE CAN BE SIGNIFICANTLY REDUCED IF WATER CONTAINING SOIL SEDIMENT IS USED AS CARRIER. DO NOT MIX THIS PRODUCT WITH WATER FROM PONDS OR DITCHES THAT IS VISIBLY MUDDY OR MURKY.

This product mixes readily with water. Mix spray solutions of this product as follows. Begin filling the mixing tank or spray tank with clean water. Add the required amount of this product near the end of the filling process and mix gently. Use caution to avoid siphoning back into the carrier source.

7.2 Tank Mixtures

This product can provide some residual control on small-seeded broadleaf weeds, depending upon rainfall and soil conditions. This product may be tank-mixed with other herbicides to provide longer residual weed control, a broader weed control spectrum or an alternate mode of action. Always read and follow label directions for all products in the tank mixture.

Some tank-mix products have the potential to cause crop injury under certain conditions, at certain growth stages and/or under other circumstances. Read the label for all products to be used in the tank mixture prior to use to determine the potential for crop injury.

Tank mixtures with other herbicides, insecticides, fungicides, micronutrients or foliar fertilizers could result in reduced weed control or crop injury. Monsanto has not tested all tank-mix product formulations for compatibility, antagonism or reduction in product performance. To the extent consistent with applicable law, buyer and all users are responsible for any and all loss or damage in connection with the use or handling of mixtures of this product with herbicides or other materials that are not expressly specified on this label or in separate supplemental labeling or Fact Sheets published for this product.

Refer to all individual product labels, supplemental labeling and Fact Sheets for all products in the tank mixture, and observe all precautions and limitations on the label, including application timing restrictions, soil restrictions, minimum re-cropping intervals and rotational guidelines. Use according to the most restrictive precautionary statements for each product in the tank mixture.

Always predetermine the compatibility of all tank-mix products together in the carrier by mixing small proportional quantities in advance.

For best results, apply tank mixtures with this product at a minimum spray volume rate of 10 gallons per acre.

7.3 Surfactants and Adjuvants

Although not always required, surfactant may be added to spray solutions of this product.

Nonionic surfactants (NIS) that are labeled for use with herbicides may be used. Do not reduce rates of this product when adding surfactant. When adding additional surfactant, use a rate of 0.25 percent surfactant concentration (1 quart per 100 gallons of spray solution) when using surfactants that contain at least 70 percent active ingredient, or 0.5 percent surfactant concentration (2 quarts per 100 gallons of spray solution) when using surfactants that contain less than 70 percent active ingredient. Read and carefully observe all caution statements and other information on the surfactant label.

Do not add acidifying buffering agents, acidic pH adjusting agents or adjuvants other than agriculturally approved NIS to the spray solution.

Do not use crop oil concentrates (COC) or methylated seed oils (MSO) as adjuvants.

7.4 Colorants and Dyes

Colorants and marking dyes may be added to spray solutions of this product; however, they can reduce the performance of this product. Use colorants and dyes according to the manufacturer's directions.

7.5 Drift Reduction Additives

Nozzle selection is one of the most important parameters for drift reduction. A drift reduction additive may be used with this product to further reduce fine droplets. Not all drift reduction additives are compatible with every nozzle type and pesticide / adjuvant combination. Check with the additive manufacturer to insure that the drift additive will work properly with the spray nozzle, spray pressure and your specific spray solution.

Read and carefully observe all precautions, limitations and all other information on the product label.

8.0 APPLICATION EQUIPMENT AND TECHNIQUES

DO NOT APPLY THIS PRODUCT USING AERIAL SPRAY EQUIPMENT.

Do not apply this product through any type of irrigation system.

This product may be applied with the following application equipment:

Ground Application Equipment—Boom or boomless systems, pull-type sprayers, floaters, pick-up sprayers, spray coupes and other ground broadcast application equipment

Selective Application Equipment— Shielded and hooded sprayers.

Injection Systems—Ground injection sprayers

APPLY THIS PRODUCT USING PROPERLY MAINTAINED AND CALIBRATED EQUIPMENT CAPABLE OF DELIVERING THE DESIRED VOLUMES.

SPRAY DRIFT MANAGEMENT

Do not allow herbicide solution to mist, drip, drift or splash onto desirable vegetation because severe injury or destruction to desirable broadleaf plants could result. The following drift management requirements must be followed to ensure application accuracy from ground application onto agricultural field crops.

Controlling Droplet Size

The most effective way to reduce drift potential is to apply large droplets that provide sufficient coverage and control. Applying larger droplets reduces drift potential, but will not prevent drift if the application is made improperly, or under unfavorable environmental conditions (see the **"Wind Speed and Direction", "Temperature and Humidity"** and **"Temperature Inversions"** sections of this label).

- **Nozzle type.** Use only spray nozzles that produce very coarse to ultra coarse spray droplets and minimal amounts of fine spray droplets as defined by the American Society of Agricultural and Biological Engineers (ASABE S-572.1). Do not use conventional flat fan nozzles that produce an excessive amount of driftable fines. Common examples are the TeeJet® XR and Turbo Teejet.

  Check nozzle manufacturer's recommendations to determine the proper droplet spectrum, operating pressure, boom height, nozzle spacing and ground speed that will deliver the desired droplet size and spray volume of at least 10 GPA for the nozzle selected that will produce a very coarse to ultra coarse spray droplet.

- **Spray Pressure.** Adjust pressure for selected nozzles according to the nozzle manufacturer to maintain very coarse to ultra coarse droplets. Use sufficient spray pressure with air induction nozzles to ensure a good spray pattern, while maintaining very coarse to ultra coarse droplets; use at least 30 psi to ensure proper pattern overlap. Confirm that sprayer rate controller hardware (if so equipped) does not increase pressure above the desired range. Calibrate the flow rate for the selected nozzles on the equipment used to apply this product.

- **Spray Volume.** Apply this product in a minimum of 10 gallons of spray solution per acre. Use a higher spray volume when treating dense vegetation. Higher spray volumes also allow the use of larger nozzle orifices (sizes) which produce coarser spray droplets alongwith a lower percentage of driftable fines.

- **Equipment Ground Speed.** Select a ground speed less than 15 miles per hour that will deliver the desired spray volume while maintaining the desired spray pressure. Slower speeds generally result in better spray coverage and deposition on the target area.

- **Spray Boom Height.** Spray at the appropriate boom height based on nozzle selection and nozzle spacing (not more than 24 inches above target pest or crop canopy). Set boom to lowest effective height over the target pest or crop canopy based on equipment manufacturer's directions. For example, the 110° series nozzle is preferred as it allows for the lowest boom height (maximum of 20 inches above the target pest or crop canopy). Automated boom height controllers are recommended with large booms to better maintain optimum nozzle to canopy height. Excessive boom height will increase the potential for spray drift.

Temperature and Humidity
When making applications in low relative humidity, set up equipment to produce larger droplets to compensate for evaporation. Droplet evaporation is most severe when conditions are both hot and dry.

Temperature Inversions. Do not apply during a temperature inversion because off-target movement potential is high.

- During a temperature inversion, the atmosphere is very stable and vertical air mixing is restricted, which causes small, suspended droplets to remain in a concentrated cloud. This cloud can move in unpredictable directions due to the light, variable winds common during inversions.

- Temperature inversions are characterized by increasing temperatures with altitude and are common on evenings and nights with limited cloud cover and light to no wind. Cooling of air at the earth's surface takes place and warmer air is trapped above it. They begin to form as the sun sets and often continue into the morning.

- Their presence can be indicated by ground fog; however, if fog is not present, inversions can also be identified by the movement of smoke from a ground source or an aircraft smoke generator. Smoke that layers and moves laterally in a concentrated cloud (under low wind conditions) indicates an inversion, while smoke that moves upward and rapidly dissipates indicates good vertical air mixing.

- The inversion will dissipate with increased winds (above 3 miles per hour) or at sunrise when the surface air begins to warm (generally 3°F from morning low).

Wind Speed and Direction
- Drift potential is lowest between wind speeds of 3 to 10 miles per hour.
- If the wind speed is 3 miles per hour or less and fog is present, indicating a temperature inversion, do not apply this product.

- If fog is not present, conduct a smoke test. Smoke that moves upward confirms there is no inversion present whereas smoke that layers and moves laterally in a concentrated cloud indicates a temperature inversion exists. Do not apply this product during a temperature inversion. Wait until the temperature has risen at least 3 degrees Fahrenheit from the morning low temperature or the wind speed is greater than 3 miles per hour to ensure that any inversion has lifted.

- Do not spray this product when the wind is blowing in the direction of a sensitive area at a wind speed greater than 10 miles per hour.
- For wind speed and direction restrictions for application of this product see the table below:

Wind speed	Application conditions and restrictions
<3 mph	Do not apply this product if temperature inversion exists
3-10 mph	Optimum conditions for application of this product.
>10 – 15 mph	Do not apply this product when wind is blowing toward sensitive areas
> 15 mph	Do not apply this product

NOTE: Local terrain can influence wind patterns. Every applicator must be familiar with local wind patterns and how they affect drift.

Sensitive Areas
Sensitive areas include known habitat for threatened or endangered species, non-target sensitive crop, residential areas, and greenhouses.

Applicators are required to ensure that they are aware of the proximity to sensitive areas, to avoid potential adverse effects from off-target movement of [**INSERT BRAND NAME**]. The applicator must survey the application site for neighboring sensitive areas prior to application. The applicator also should consult sensitive crop registries for locating sensitive areas where available.

Failure to follow the requirements in this label, could result in severe injury or destruction to desirable sensitive crops and trees, particularly beans, cotton, flowers, fruit trees, grapes, ornamentals, peas, potatoes, soybeans, sunflowers, tobacco, tomatoes, and other broadleaf plants when contacting their roots, stems or foliage.

Application Awareness
AVOIDING SPRAY DRIFT AT THE APPLICATION SITE IS THE RESPONSIBILITY OF THE APPLICATOR.

The interaction of equipment and weather related factors must be monitored to maximize performance and on-target spray deposition. The applicator is responsible for considering all of these factors when making a spray decision.

8.1 Ground Application Equipment

Apply this product at the appropriate rate in a minimum of 10 gallons of water per acre when making a broadcast application using ground application equipment, unless otherwise directed on this label or on separate supplemental labeling or Fact Sheets published for this product. As the weed density increases, increase the spray volume towards the upper end of this range to ensure complete coverage. Select proper nozzles that will avoid generating a fine mist. Check spray pattern for uniform distribution.

8.2 Selective Application Equipment

[*Optional text*: This product may be diluted in water and applied using a shielded sprayer or hooded sprayer to weeds listed on this label growing in any non-crop site listed on this label.]

In cropping systems, a shielded sprayer or hooded sprayer may be used in between rows of crop plants *(row middles). Selective equipment must be capable of preventing all contact of the herbicide solution* with the crop and operated without spray mist escape, leakage, or dripping of the herbicide solution onto the crop.

AVOID CONTACT OF THIS HERBICIDE WITH DESIRABLE VEGETATION.

Contact of this product with desirable vegetation could result in unintended plant damage or destruction.

Shielded and Hooded Sprayers

This product, when applied at rates specified on this label using a shielded or hooded sprayer according to the directions described in this section, will control the weeds listed in the "ANNUAL WEEDS RATE SECTION" and "PERENNIAL WEEDS RATE SECTION" of this label.

A shielded sprayer directs the herbicide solution to the target weeds while protecting desirable vegetation from being contacted by the herbicide spray with an impervious material or shield. Keep shields on these sprayers adjusted to protect desirable vegetation. Air induction nozzles that have low drift potential must be used under shielded sprayers; droplet size must be very coarse to ultra coarse.

A hooded sprayer is a type of shielded sprayer where the spray pattern is fully enclosed, including the top, sides, front and back, thereby shielding the crop from the spray solution. Adjust the shields on these sprayers to protect desirable vegetation. USE EXTREME CARE TO AVOID CONTACT OF THIS HERBICIDE WITH DESIRABLE VEGETATION.

Hooded sprayers must be configured and operated in a manner that minimizes bouncing and avoids raising the hood up off the ground surface at any time. If the hood is raised, spray particles can escape and come into contact with the crop, causing damage to or destruction of the crop. Avoid operating this equipment on rough or sloping terrain where the spray hood is likely to rise up off the ground surface.

The following procedures will reduce the potential for crop injury when using a hooded sprayer:

- Spray hood must be operated on the ground or skimming across the ground surface.
- Leave at least an 8-inch untreated strip over the drill row. (For example, if the crop row width is 38 inches, make the maximum width of the spray hood 30 inches.)
- Operate at ground speeds of no greater than 5 miles per hour to avoid bouncing of the spray hood.
- Apply when wind speed is 10 miles per hour or less.
- Use low-drift air induction nozzles that provide uniform coverage within the treated area; droplet size must be very coarse to ultra coarse.

Crop injury can occur when foliage of treated weeds comes into direct contact with leaves of the crop. Do not apply this product when crop leaves are growing in direct contact with weeds to be treated. Droplets,

mist, foam or splatter of the herbicide solution settling onto desirable vegetation can result in discoloration, stunting or destruction.

8.3 Injection Systems

This product may be used in ground injection spray systems. It may be used as a liquid concentrate or diluted prior to injecting into the spray stream. Do not mix this product with the concentrate of other products for use in injection systems.

8.4 Proper Spray System Equipment Cleanout

Minute quantities of dicamba can cause injury to sensitive crops (see the "**Sensitive Areas**" section of this label for a listing of sensitive crops).

Clean equipment immediately after using this product, using a triple rinse procedure as follows:

1. After spraying, drain the sprayer (including boom and lines) immediately. Do not allow the spray solution to remain in the spray boom lines overnight prior to flushing.
2. Flush tank, hoses, boom and nozzles with clean water.
3. Inspect and clean all strainers, screens and filters.
4. Prepare a cleaning solution with a commercial detergent or sprayer cleaner or ammonia according to the manufacturer's directions.
5. Take care to wash all parts of the tank, including the inside top surface. Start agitation in the sprayer and thoroughly recirculate the cleaning solution for at least 15 minutes. All visible deposits must be removed from the spraying system.
6. Flush hoses, spray lines and nozzles for at least 1 minute with the cleaning solution.
7. Repeat above steps for two additional times to accomplish an effective triple rinse.
8. Remove nozzles, screens and strainers and clean separately in the cleaning solution after completing the above procedures.
9. Appropriately dispose of rinsate from steps 1-7 in compliance with all applicable laws and regulations.
10. Drain sump, filter and lines.
11. Rinse the complete spraying system with clean water.

All rinse water must be disposed of in compliance with local, state, and federal guidelines.

9.0 CROP ROTATIONAL RESTRICTIONS

The combined total application of this product on a site must not exceed 256 fluid ounces (2 pounds of dicamba acid) per acre per year.

The interval between application of this product and the planting of other crops in a crop rotation program is given below. When counting days from the application of this product, do not count days when the ground is frozen. Planting at intervals less than specified in this section could result in crop injury. Moisture is essential for the degradation of this herbicide in soil. If dry weather prevails, use cultivation to allow herbicide contact with moist soil.

Planting/replanting restrictions at application rates of 96 fluid ounces of this product per acre or less: Follow the planting restrictions in the directions for use for Preplant application in the Crop Specific Information section of this label. Do not plant barley, oat, wheat, and other grass seedings for 15 days for every 32 fluid ounces of this product applied per acre east of the Mississippi River and 22 days for every 32 fluid ounces per acre applied west of the Mississippi River. No planting restrictions apply beyond 120 days after application of this product.

Planting/replanting restrictions at application rates of more than 96 fluid ounces and up to 256 fluid ounces of this product per acre: Wait a minimum of 120 days after application of this product before planting corn, sorghum and cotton east of the Rocky Mountains and before planting all other crops grown in areas receiving 30 inches or more rainfall annually. Wait a minimum of 180 days before planting crops in areas with less than 30 inches of annual rainfall. Wait a minimum of 30 days for every 64 fluid ounces of this product applied per acre before planting barley, oat, wheat, and other grass seedings east of the Mississippi River and 45 days for every 64 fluid ounces of this product applied per acre west of the Mississippi River.

10.0 CROP SPECIFIC INFORMATION

NOTE: THIS SECTION PROVIDES DIRECTIONS FOR USE OF THIS PRODUCT THAT APPLY TO ALL CROPS LISTED IN THE SECTIONS THAT FOLLOW. SEE THE INDIVIDUAL CROP SECTIONS FOR SPECIFIC USE INSTRUCTIONS, PREHARVEST INTERVALS, AND ADDITIONAL PRECAUTIONS AND RESTRICTIONS.

TYPES OF APPLICATION: Fallow; Preplant; At-Planting; Preemergence; Hooded Sprayer in Row Middles; Spot Treatment, Shielded Sprayer in Row Middles; Post-Harvest

USE INSTRUCTIONS: Apply this product during fallow intervals preceding planting, prior to planting or transplanting, at-planting, or preemergence to annual and perennial crops listed on this label, except where specifically limited. Unless otherwise specified, apply this product as a broadcast application at the rates listed in Table 2 of this label in a minimum of 10 gallons of spray solution per acre. For best performance and reduced competition, apply this product while weeds are small (less than 4 inches).

Hooded sprayers capable of preventing all contact of the herbicide solution with the crop may be used in mulched or unmulched row middles after crop establishment. Refer to the APPLICATION EQUIPMENT AND TECHNIQUES section of this label for essential precautions regarding potential crop injury using selective application equipment. Crop injury is possible with these types of application and shall be the sole responsibility of the applicator.

TANK MIXTURES: This product may be tank-mixed with other herbicides to provide residual weed control, a broader weed control spectrum, an alternate mode of action or to increase the application rate of glyphosate. Always read and follow label directions for all products in the tank mixture. Use all products according to rates and timing specified on the label. Some tank-mix products have the potential to cause crop injury. Read the label for all products in the tank mixture prior to use to determine the potential for crop injury. Always predetermine the compatibility of tank-mix products together in the carrier by mixing small proportional quantities in advance. Mixing other products with this herbicide in the spray tank can cause incompatibility, antagonism, or a reduction in the efficacy of this product. Monsanto has not tested all product formulations for compatibility or performance in a tank-mix. To the extent consistent with applicable law, buyer and all users are responsible for any and all loss or damage in connection with the use or handling of mixtures of this product with herbicides or other materials that are not specifically identified on this label or on separate supplemental labeling or Fact Sheets for this product. See the MIXING section of this label for more information on tank mixtures.

RESTRICTIONS: Avoid contact of this herbicide with foliage, green shoots or stems, bark, exposed roots (including those emerging from plastic mulch), or fruit of crops, as severe crop injury or destruction could result. Transplant seedlings coming into contact with freshly treated vegetation could result in significant crop injury. When making preemergence applications, application must be made before crop emergence to avoid severe crop injury. Broadcast application of this product at emergence will result in injury or death of emerged seedlings. Apply before seed germination in coarse sandy soils to further minimize the risk of injury. For post-harvest and fallow applications, see the section **Crop Rotational Restrictions** for the recommended interval between application and planting to prevent crop injury.

In crops where spot treatment is allowed, do not treat more than 10 percent of the total field to be harvested. Crop sprayed in the treated area will be killed. Take care not to spray or allow spray to drift outside the target area in order to avoid unwanted crop destruction.

Do not harvest or feed treated vegetation for 8 weeks following broadcast postemergence application, unless otherwise specified.

Observe the maximum application rates stated throughout this label. Maximum application rates apply to the use of this product combined with the use of any and all other herbicides containing dicamba or glyphosate as the active ingredient, whether applied separately or as mixtures. Calculate the application rates (dicamba or glyphosate acid equivalents) and ensure that the total use of this and other dicamba or glyphosate-containing products does not exceed the stated maximum rate. See the PRODUCT INFORMATION section of this label for more information on Maximum Application Rates.

10.1 Between Crop Applications

TYPES OF APPLICATION: Postharvest, Fallow.

USE INSTRUCTIONS: Between 16 and 128 fluid ounces of this product per acre may be applied as a broadcast or spot treatment application to emerged and actively growing weeds after crop harvest (Postharvest) before a killing frost in the fall or on fallow cropland the following spring or summer.

Refer to the WEEDS AND RATES section of this label to determine application rates for specific weed species.

PRECAUTIONS: See the Crop Rotational Restrictions section for the recommended interval between application and planting to prevent crop injury.

10.2 Non-glyphosate Tolerant Corn

TYPES OF CORN: Field corn, Seed corn, and Silage corn

TYPES OF APPLICATION: Preplant, At Planting, Preemergence

USE INSTRUCTIONS: This product may be applied in no-till corn as well as in conventional or reduced tillage corn.

For applications in no-till systems, apply 64 fluid ounces of this product per acre on medium- or fine-textured soils containing 2.5% or greater organic matter. Use 32 fluid ounces per acre on coarse soils (sand, loamy sand, and sandy loam) or medium- and fine-textured soils with less than 2.5% organic matter.

For applications to conventional or reduced tillage systems, apply 64 fluid ounces of this product per treated acre to medium- or fine-textured soils that contain 2.5% organic matter or more. Do not apply to coarse-textured soils (sand, loamy sand, or sandy loam) or any soil with less than 2.5% organic matter.

RESTRICTIONS: This product is not registered for use with sweet corn. Do not apply this product with seed corn without first verifying with your local seed corn company (supplier) the selectivity of this product on your inbred line.

Direct contact of this product with corn seed must be avoided. If corn seeds are less than 1.5 inches below the soil surface, delay application until corn has emerged.

PRECAUTIONS: Pre-emergence application of this product does not require mechanical incorporation to become active. However, if less than adequate rainfall or sprinkler irrigation is received after application, a shallow mechanical incorporation can improve the performance of this product. Avoid tillage equipment (e.g., drags, harrows) which concentrates treated soil over seed furrow as seed damage could result.

Pre-emergence control of cocklebur, jimsonweed, and velvetleaf may be reduced if conditions such as low temperature or lack of soil moisture cause delayed or deep germination of weeds.

10.3 Field Corn Hybrids with Roundup Ready 2 Technology

ROUNDUP READY CROPS CONTAIN A PATENTED GENE THAT PROVIDES TOLERANCE TO GLYPHOSATE, AN ACTIVE INGREDIENT IN THIS PRODUCT. THIS PRODUCT WILL CAUSE SEVERE CROP INJURY OR DESTRUCTION AND YIELD LOSS IF APPLIED TO CROPS THAT ARE NOT GLYPHOSATE TOLERANT. AVOID CONTACT OF THIS PRODUCT WITH FOLIAGE, GREEN STEMS, OR FRUIT OF CROPS, OR ANY DESIRABLE PLANTS THAT DO NOT CONTAIN A GLYPHOSATE-TOLERANCE GENE, AS SEVERE PLANT INJURY OR DESTRUCTION WILL RESULT. Information on Roundup Ready crops can be obtained from your seed supplier or Monsanto Company representative. Roundup Ready crops must be purchased from an authorized licensed seed supplier.

The directions for use in this section include all applications of this product that may be made onto a Field Corn with Roundup Ready 2 Technology during the complete cropping season. Do not combine these directions for use with the directions for use with non-glyphosate tolerant corn.

TYPES OF CORN: Field corn hybrids with Roundup Ready 2 Technology include Roundup Ready Corn 2 and field corn seed products displaying the Roundup Ready 2 Technology logo. The directions for use in this section refer only to FIELD CORN hybrids with Roundup Ready 2 Technology.

TYPES OF APPLICATION: Preplant, At Planting, Preemergence, Early Postemergence and Late Postemergence

USE INSTRUCTIONS: For preplant, at planting or preemergence applications in no-till systems, apply 64 fluid ounces of **[INSERT BRAND NAME]** per acre on medium- or fine-textured soils containing 2.5% or greater organic matter. Use 32 fluid ounces per acre on coarse soils (sand, loamy sand, and sandy loam) or medium- and fine-textured soils with less than 2.5% organic matter.

For premergence applications to conventional systems or reduced tillage, apply 64 fluid ounces of this product per treated acre to medium- or fine-textured soils that contain 2.5% organic matter or more. Do not apply to coarse-textured soils (sand, loamy sand, or sandy loam) with less than 2.5% organic matter.

For early postemergence application to control weeds less than 4 inches tall regardless of tillage system, apply 64 fluid ounces of this product per treated acre. Apply between corn emergence and the 5-leaf stage or 8 inches tall, whichever occurs first. For corn grown on coarse-textured soils (sand, loamy sand, and sandy loam), reduce the rate to 32 fluid ounces per treated acre.

Late postemergence applications can be made if the sixth true leaf is emerging from the whorl, or the corn is greater than 8 inches tall. Apply 32 fluid ounces of this product per treated acre. Use drop nozzles for optimum spray coverage and weed control when corn plant height is 24 to 30 inches. When corn plants are 30 to 36 inches tall (free standing) or 15 days before tassel emergence, whichever comes first, apply this product using only ground application equipment fitted with drop nozzles aligned to avoid spraying into the whorls of the corn plants. Apply directed spray when corn leaves prevent proper spray coverage or if sensitive crops are growing nearby.

RESTRICTIONS: Sequential applications must be separated by 2 weeks or more and up to 2 applications of this product may be made during a growing season.

Do not apply this product when soybeans are growing nearby if any of these conditions exist:
- corn is more than 24 inches tall
- soybeans are more than 10 inches tall
- soybeans have begun to bloom

PRECAUTIONS: Applications of this product to corn during periods of rapid growth may result in temporary leaning. Corn will usually become erect within 3 - 7 days. Cultivation should be delayed until after corn is growing normally to avoid breakage.

Corn may be harvested or grazed for feed once the crop has reached the ensilage (milk) stage or later in maturity.

10.4 Cotton

TYPES OF APPLICATION: Preplant

USE INSTRUCTIONS: For best performance, apply this product when weeds are less than 4 inches tall.

RATES: Apply up to 32 fluid ounces of **[INSERT BRAND NAME]** per acre to control emerged weeds prior to planting cotton in conventional or conservation tillage systems.

RESTRICTIONS: Following application of this product and a minimum accumulation of 1 inch of rainfall or overhead irrigation, a waiting interval of 21 days is required per 32 fluid ounces per acre or less. These intervals must be observed prior to planting cotton.

Do not apply preplant to cotton west of the Rockies.

Do not make a preplant application of this product to cotton in geographic areas with average annual rainfall less than 25 inches.

PRECAUTIONS: If applying a spring preplant treatment following application of a fall preplant (postharvest) treatment, then the combination of both treatments may not exceed 2 pounds of dicamba acid equivalent per acre (256 fluid ounces of this product per acre).

10.5 Grain Sorghum (Milo)

TYPES OF APPLICATION: Preplant

USE INSTRUCTIONS: This product may be applied preplant in sorghum to control many weeds and to reduce competition from established perennial weeds, as well as control their seedlings.

Up to 32 fluid ounces of this product may be applied per acre if applied at least 15 days before sorghum planting

RESTRICTIONS: Do not graze or feed treated sorghum forage or silage prior to mature grain stage.

Do not apply this product to sorghum grown for seed production.

10.6 Soybean

TYPES OF APPLICATION: Preplant, Preharvest, Spot Treatment.

USE INSTRUCTIONS: This product may be applied prior to planting soybeans or prior to soybean harvest after pods have set and lost all green color.

RATES: Apply 16 - 64 fluid ounces of this product per acre to control emerged broadleaf weeds prior to planting soybeans. Do not exceed 64 fluid ounces of this product per acre in a spring application prior to planting soybeans.

For preharvest application, apply 32 - 128 fluid ounces of this product per acre as a broadcast or spot treatment application to emerged and actively growing weeds after soybean pods have reached mature brown color and at least 75% leaf drop has occurred.

Treatments may not kill weeds that develop from seed or underground plant parts, such as rhizomes or bulblets, after the effective period for **[INSERT BRAND NAME]**. For seedling control, a follow-up program or other cultural practice could be instituted.

RESTRICTIONS: Following application of **[INSERT BRAND NAME]** and a minimum accumulation of 1 inch rainfall or overhead irrigation, a waiting interval of 14 days is required for 32 fluid ounces per acre or less, and 28 days for 64 fluid ounces per acre. These intervals must be observed prior to planting soybeans or crop injury may occur.

Do not make **[INSERT BRAND NAME]** preplant applications to soybeans in geographic areas with average annual rainfall less than 25 inches.

Do not harvest soybeans within 14 days of application of this product.

Do not use preharvest-treated soybean for seed unless a germination test is performed on the seed with an acceptable result of 95% germination or better. To the extent consistent with applicable law, buyer and all users are responsible for any and all loss or damage in connection with the preharvest use of this product on soybean grown for seed.

Do not feed soybean fodder or hay following a preharvest application of [enter brand name].

Do not make preharvest applications in California.

10.7 Sugarcane

TYPES OF APPLICATION: Preplant, At Planting, Preemergence, Spot Treatment.

USE INSTRUCTIONS: This product may be applied in or around sugarcane fields, or in fields prior to the emergence of plant cane, or as a spot treatment for control of volunteer or diseased sugarcane.

Apply 32 to 128 fluid ounces of this product per acre for control or suppression of weeds. Apply the higher level of listed rate range when treating dense vegetative growth.

For control of volunteer or diseased sugarcane, apply a 1-percent solution of this product in water using a spray-to-wet technique. Best results are obtained on volunteer or diseased sugarcane with at least 7 new leaves.

RESTRICTIONS: Do not apply to vegetation in or around ditches, canals or ponds containing water to be used for irrigation.

Avoid contact of this herbicide with healthy sugarcane plants as severe damage or destruction can result. Do not feed or graze treated sugarcane foliage following application.

11.0 WEEDS AND RATES SECTION

Table 1. [INSERT BRAND NAME] will control or suppress the following weeds when used at rates described in **Table 2**.

ANNUALS

Alkanet
Amaranth, Palmer, Powell, Spiny
Ammannia, purple
Anoda, spurred
Aster, Slender
Barley
Barnyardgrass
Bassia, fivehook
Bedstraw, Catchweed
Beggarweed, Florida
Bittercress
Bluegrass, annual
Bluegrass, bulbous
Brome, downy
Brome, Japanese
Broomweed, Common
Browntop panicum
Buckwheat, Tartary, Wild
Buffalobur
Burclover, California
Burcucumber
Buttercup, Corn, Creeping, Roughseed, Western Field
Carolina geranium
Carpetweed
Catchfly, Nightflowering
Chamomile, Corn
Cheat
Chevil, Bur
Chickweed, Common
Clovers
Cockle, Corn, Cow, White

Cocklebur, Common
Copperleaf, Hophornbeam
Copperleaf, Virginia
Coreopsis, plains
Corn speedwell
Corn, volunteer
Cornflower (Bachelor Button)
Crabgrass
Croton, Tropic, Woolly
Crowfootgrass
Cutleaf evening primrose
Daisy, English
Devilsclaw (unicorn plant)
Dragonhead, American
Dwarfdandelion
Eastern mannagrass
Eclipta
Eveningprimrose, Cutleaf
Fall panicum
Falsedandelion
Falseflax, Smallseed
Falseflax, smallseed
Fiddleneck
Field pennycress
Filaree
Fleabane, Annual
Fleabane, hairy (*Conyza bonariensis)*
Fleabane, rough
Flixweed
Florida pusley
Foxtail, Carolina
Foxtail, green
Foxtail; giant, bristly, yellow
Fumitory
Goatgrass, jointed
Goosefoot, Nettleleaf
Goosegrass
Grain sorghum (milo)
Groundcherry
Groundsel; common, cressleaf
Hemp sesbania

Hempnettle
Henbit
Horseweed/ Marestail (Conyza canadensis)
Itchgrass
Jacobs-Ladder
Jimsonweed
Johnsongrass, seedling
Junglerice
Knawel (German Moss)
Knotweed
Knotweed, Prostrate
Kochia
Ladysthumb
Lambsquarters Common
Lettuce, Miners, Prickly
Little barley
London rocket
Mallow, Common, Venice
Mayweed
Morning glory, annual (*Ipomoea* spp.)
Mustard, Black, Blue, Tansy, Treacle, Tumble, Wild, Yellowtops
Nightshade, Black, Cutleaf
Nightshade; black, hairy
Oats
Pennycress, Field (Fanweed, Frenchweed, Stinkweed)
Pepperweed, Virginia (Peppergrass)
Pigweed species
Pigweed, Palmer
Pigweed, Prostrate, Redroot (Carelessweed), Rough, Smooth, Tumble
Pineappleweed
Poorjoe
Poppy, Red-horned
Prickly lettuce
Punctureving
Purslane, Common
Pusley, Florida
Radish, Wild
Ragweed, Common, Giant (Buffaloweed), Lance-Leaf
Ragweed, giant
Red rice
Rocket, London, Yellow

Rubberweed, Bitter (Bitterweed)
Rye, volunteer/cereal
Ryegrass species
Salsify
Sandbur, field
Sandbur, longspine
Senna, Coffee
Sesbania, Hemp
Shattercane
Shepherd's-purse
Sicklepod
Sida, Prickly (Teaweed)
Signalgrass, broadleaf
Smartweed, Green, Pennsylvania
Smartweed, ladysthumb
Sneezeweed, Bitter
Sowthistle, Annual, Spiny
Spanish Needles
Speedwell, purslane
Spikeweed, Common
Sprangletop
Spurge, Prostrate, Leafy
Spurry, Corn
Spurry, umbrella
Starbur, Bristly
Starwort, Little
Stinkgrass
Sumpweed, Rough
Sunflower, Common (Wild), Volunteer
Swinecress
Teaweed/ Prickly sida
Texas panicum
Thistle, Russian
Velvetleaf
Virginia pepperweed
Waterhemp, Common, Tall
Waterprimrose, Winged
Wheat (overwintered)
Wild oats
Wild proso millet
Witchgrass

Woolly cupgrass
Wormwood
Yellow rocket

BIENNIALS

Burdock, Common
Carrot, Wild (Queen Anne's Lace)
Cockle, White
Eveningprimrose, Common
Geranium, Carolina
Gromwell
Knapweed, Diffuse, Spotted
Mallow, Dwarf
Plantain, Bracted
Ragwort, Tansy
Starthistle, Yellow
Sweetclover
Teasel
Thistle, Bull, Milk, Musk, Plumeless

PERENNIALS

Alfalfa
Alligatorweed
Anise (fennel)
Artichoke, Jerusalem
Aster, Spiny, Whiteheath
Bahiagrass
Bedstraw, Smooth
Bentgrass
Bermudagrass,water (knotgrass)
Bindweed, Field, Hedge
Bluegrass, Kentucky
Blueweed, Texas
Brackenfern
Bromegrass, smooth
Bursage, Woollyleaf[1] (Bur Ragweed, Povertyweed)
Buttercup, Tall
Campion, Bladder
Canarygrass, reed
Cattail
Chickweed, Field, Mouseear

Chicory
Clover; red or white
Clover, Hop
Cogongrass
Dallisgrass
Dandelion
Dock Broadleaf (Bitterdock), Curly
Dogbane, Hemp
Dogfennel (Cypressweed)
Fern, Bracken
Fescue, tall
Garlic, Wild
Goldenrod, Canada, Missouri
Goldenweed, Common
Guineagrass
Hawkweed
Henbane, Black
Horsenettle, Carolina
Horseradish
Iceplant
Ironweed
Jerusalem artichoke
Johnsongrass
Kikuyugrass
Knapweed, Black, Diffuse, Russian[1], Spotted
Lantana
Lespedeza
Milkweed, Climbing, Common, Honeyvine, Western Whorled
Muhly, wirestem
Mullein, common
Napiergrass
Nettle, Stinging
Nightshade, Silverleaf (White Horsenettle)
Nutsedge, purple or yellow
Onion, Wild
Orchardgrass
Pampasgrass
Paragrass
Phragmites
Plaintain, Broadleaf, Buckhorn
Poison hemlock

Pokeweed, common
Quackgrass
Ragweed, Western
Redvine
Reed, giant
Ryegrass, perennial
Sericia Lespedeza
Smartweed, Swamp
Smartweed, swamp
Snakeweed, Broom
Sorrel, Red (Sheep Sorrel)
Sowthistle, perennial
Spurge, Leafy
Spurge, leafy
Starthistle, yellow
Sundrops
Sweet potato, wild
Thistle, artichoke
Thistle, Canada
Thistle, Canada, Scotch
Timothy
Toadflex, Dalmatian
Torpedograss
Tropical Soda Apple
Trumpetcreeper (Buckvine)
Vaseygrass
Velvetgrass
Vetch
Waterhemlock, Spotted
Waterprimrose, Creeping
Wheatgrass, western
Woodsorrel, Creeping, Yellow
Wormwood, Absinth, Louisiana
Yankeeweed

WOODY SPECIES

Alder
Ash
Aspen
Basswood
Bearmat (Bearclover)

Beech
Birch
Blackberry[1]
Blackgum[1]
Bracken
Broom; French, Scotch
Buckwheat, California
Cascara
Catsclaw
Ceanothus
Cedar[1]
Chamise
Cherry; bitter, black, pin
Chinquapin
Cottonwood
Coyote brush
Creosotebush[1]
Cucumbertree
Dewberry[1]
Dogwood[1]
Elderberry
Elm
Eucalyptus
Florida holly (Brazilian Peppertree)
Gorse
Grape
Hasardia
Hawthorn (Thornapple)[1]
Hazel
Hemlock
Hickory
Honeylocust
Honeysuckle
Hornbeam, American
Huckleberry
Huisache
Ivy, Poison
Kudzu
Locust, Black
Madrone re-sprouts
Manzanita

Maple, red
Maple, sugar
Mesquite
Monkey flower
Oak, northern
Oak, Poison
Oak, post
Oak, southern red
Oak; black, white
Olive, Russian
Persimmon, Eastern
Pine
Plum, Sand (Wild Plum)[1]
Poison ivy/Poison oak
Poplar, yellow
Rabbitbrush
Redbud, eastern
Redcedar, Eastern[1]
Rose, multiflora
Russian olive
Sage, black
Sage, white
Sagebrush, California
Sagebrush, Fringed[1]
Salmonberry
Saltcedar
Sassafras
Serviceberry
Sourwood
Spicebush
Spruce
Sumac; poison, smooth, winged
Sweetgum[1]
Swordfern
Sycamore
Tallowtree, Chinese
Tan oak re-sprouts
Tarbush
Thimbleberry
Tobacco, tree
Trumpetcreeper

Vine maple
Virginia creeper
Waxmyrtle, southern
Willow
Witchhazel
Yaupon[1]
Yucca[1]
[1]Growth suppression only

Table 2. M1769 Premix Herbicide Application Rates for Control or Suppression by Weed Type and Growth Stage
Use rate limitations are given in **sections 9** and **10. Crop Specific Information**

Weed Type and Stage	Rate Per Acre (fluid ounces)	Weed Type and Stage	Rate Per Acre (fluid ounces)
Annual[1]		**Perennial**	
Small, actively growing	32 – 64	Top growth suppression	32 – 64
		Top growth control and root	64 – 128
Established weed growth	64 – 96	suppression	
		Noted perennials (footnote 1 in Section 10.0).	128
		Other perennials[3]	128
Biennial		**Woody Brush & Vines**	
Rosette diameter 1 – 3"	32 – 64	Top growth suppression	64 – 128
Rosette diameter 3" or more	64 – 128	Top growth control[2,3]	128
		Stems and stem	128
Bolting	128	suppression[3]	

[1] Rates below 32 fluid ounces per acre may provide control or suppression but should typically be applied with other herbicides that are effective on the same species and biotype.
[2] Species noted in **Table 1** will require tank mixes for adequate control.
[3] Do not broadcast apply more than 128 fluid ounces per acre in any single application. One sequential application of up to 128 fluid ounces may be required for adequate control. Use the higher level listed rate ranges when treating dense vegetative growth or perennial weeds with well established root growth.

12.0 LIMIT OF WARRANTY AND LIABILITY

Monsanto Company warrants that this product conforms to the chemical description on the label and is reasonably fit for the purposes set forth in the Complete Directions for Use label booklet ("Directions") when used in accordance with those Directions under the conditions described therein. TO THE EXTENT CONSISTENT WITH APPLICABLE LAW, NO OTHER EXPRESS WARRANTY OR IMPLIED WARRANTY OF FITNESS FOR PARTICULAR PURPOSE OR MERCHANTABILITY IS MADE. This warranty is also subject to the conditions and limitations stated herein.

Buyer and all users shall promptly notify this Company of any claims whether based in contract, negligence, strict liability, other tort or otherwise.

To the extent consistent with applicable law, buyer and all users are responsible for all loss or damage from use or handling which results from conditions beyond the control of this Company, including, but not limited to, incompatibility with products other than those set forth in the Directions, application to or

contact with desirable vegetation, failure of this product to control weed biotypes which develop resistance to glyphosate, unusual weather, weather conditions which are outside the range considered normal at the application site and for the time period when the product is applied, as well as weather conditions which are outside the application ranges set forth in the Directions, application in any manner not explicitly set forth in the Directions, moisture conditions outside the moisture range specified in the Directions, or the presence of products other than those set forth in the Directions in or on the soil, crop or treated vegetation.

This Company does not warrant any product reformulated or repackaged from this product except in accordance with this Company's stewardship requirements and with express written permission from this Company.

For in-crop (over-the-top) uses on Roundup Ready crops, crop safety and weed control performance are not warranted by Monsanto when this product is used in conjunction with "brown bag" or "bin run" seed saved from previous year's production and replanted.

TO THE EXTENT CONSISTENT WITH APPLICABLE LAW, THE EXCLUSIVE REMEDY OF THE USER OR BUYER, AND THE LIMIT OF THE LIABILITY OF THIS COMPANY OR ANY OTHER SELLER FOR ANY AND ALL LOSSES, INJURIES OR DAMAGES RESULTING FROM THE USE OR HANDLING OF THIS PRODUCT (INCLUDING CLAIMS BASED IN CONTRACT, NEGLIGENCE, STRICT LIABILITY, OTHER TORT OR OTHERWISE) SHALL BE THE PURCHASE PRICE PAID BY THE USER OR BUYER FOR THE QUANTITY OF THIS PRODUCT INVOLVED, OR, AT THE ELECTION OF THIS COMPANY OR ANY OTHER SELLER, THE REPLACEMENT OF SUCH QUANTITY, OR, IF NOT ACQUIRED BY PURCHASE, REPLACEMENT OF SUCH QUANTITY. TO THE EXTENT CONSISTENT WITH APPLICABLE LAW, IN NO EVENT SHALL THIS COMPANY OR ANY OTHER SELLER BE LIABLE FOR ANY INCIDENTAL, CONSEQUENTIAL OR SPECIAL DAMAGES.

Upon opening and using this product, buyer and all users are deemed to have accepted the terms of this LIMIT OF WARRANTY AND LIABILITY which may not be varied by any verbal or written agreement. If terms are not acceptable, return at once unopened.

This product is protected by U.S. Patent [INSERT PATENT NUMBERS]. Other patents pending. No license granted under any non-U.S. patent(s).

EPA Reg. No 524-XXX

In case of an emergency involving this product, call collect, day or night, (314) 694-4000.

Packed for:

MONSANTO COMPANY
800 N. LINDBERGH BLVD.
ST. LOUIS, MISSOURI, 63167 USA

Justification for the Removal of Additional Warning Statement Related to Oxidizing and Reducing Potential from Product Labels for RD 1734 Herbicide, M1732 Herbicide, and M1739 Herbicide

RD 1734 Herbicide, an end-use product containing 42.1% glyphosate in the form of its potassium salt by weight, was registered on May 8, 2012 under EPA Reg. No. 71995-53. Prior to granting the registration, EPA required that a "Physical or Chemical Hazards" section be added to the label and the warning statement, "Do not use with or store near any oxidizing or reducing agent," be added to that section. M1732 Herbicide, a ready-to-use product containing 1.8% glyphosate, in the form of its potassium salt, was granted registration on March 29, 2012 under EPA Reg. No. 71995-52 without this warning statement being added to the label; however, it was registered with the condition that a slightly different, but similar statement, "Do not use with or store near oxidizing or reducing agents," be added to the label before releasing the product. EPA has also required that the warning statement, "Do not use with or store near oxidizing agents," be added under the heading "Physical and Chemical Hazards" to a third product currently pending registration within the Agency, M1739 Herbicide, EPA File Symbol 71995-54, a 0.9% glyphosate, potassium salt, ready-to-use product. The required precautionary statements are summarized in the following table.

Table 1. Required Precautionary Statements of Physical or Chemical Hazards

Product Name	EPA Reg. No.	Precautionary Statement Required
RD 1734 Herbicide	71995-53	Do not use with or store near any oxidizing or reducing agents.
M1732 Herbicide	71995-52	Do not use with or store near oxidizing or reducing agents.
M1739 Herbicide	71995-54	Do not use with or store near oxidizing agents.

For each of these new pesticide candidates, product chemistry reports were submitted to support their registration. It was reported in each of these that the test substance reacted with a 1% solution of $KMnO_4$ (potassium permanganate), a moderately strong oxidizing agent, and that two of the three products (RD 1734 Herbicide and M1732 Herbicide) reacted with zinc metal, a moderately strong reducing agent, when mixed in a 5:1 ratio (by weight) of test substance to each oxidizing or reducing agent. However, they also reported that each test substance showed no sign of reacting when mixed with another oxidizing agent, $NH_4H_2PO_4$ (mono-ammonium phosphate).

Table 2. Summary of Oxidation/Reduction: Chemical Incompatibility Test Results

Product Name	EPA Reg. No.	Product Chem MRID	$KMnO_4$	$NH_4H_2PO_4$	Zinc
RD 1734 Herbicide	71995-53	48358501	Reaction	No Reaction	Reaction
M1732 Herbicide	71995-52	48358301	Reaction	No Reaction	Reaction
M1739 Herbicide	71995-54	48568407	Reaction	No Reaction	No Reaction

As indicated in the product chemistry reports, observations of the principal investigators conducting these tests were recorded in lab research notebooks, which, according to the provisions of the Good Laboratory Standard, are retained as part of the study archives.

Oxidation/Reduction: Chemical Incompatibility Test (OPPTS 830.6314)

EPA's testing guideline for the Oxidation/Reduction: Chemical Incompatibility test developed by the Office of Prevention, Pesticides and Toxic Substances (OPPTS 830.6314) states in the Objectives that, "chemical incompatibility determines the likelihood of violent reactions occurring when the new chemical is mixed or comes into contact with other substances... [so that]... dangerous contact during its chemical life (manufacturing, processing, distribution, storage, use and disposal) can be avoided. Significant temperature increases, evolution of gases, noxious fumes, splattering, and evolution of flame are possible dangers." The guideline goes on to state that "...significant temperature increases is defined as an increase of 5 °C or more." The guideline emphasizes the importance of this test to "...indicate hazardous reactions which can occur resulting from contact of the chemical with common oxidizing and reducing agents, common fire extinguishing agents, and common solvents."

The only quantitative measurement in OPPTS 830.6314 is temperature, all other data is qualitative, i.e., visual or olfactory confirmation of the evolution of gases, noxious fumes, splattering, or evolution of flame. These observations are recorded by the principal investigator in laboratory notebooks for the oxidation/reduction chemical incompatibility tests, which are archived as part of the study's raw data, as per the Good Laboratory Practice Standard at 40 CFR § 160.130(e).

Section (b)(2) of the guideline provides details of the testing procedure, which state that "information on the oxidation or reduction potential of a product may be obtained through a knowledge of the chemistry of the product and/or by application of the method described in 44 FR 16267 (1979)..." Test details in the guideline are intentionally vague, as protocols could vary for different new pesticide products depending on the physical state and the intended uses of each. The default method published in the Federal Register is presented, with minor changes, in the test guideline as an example of an appropriate test protocol only. There are four (4) general categories that the default method investigates in order to determine "the likelihood of violent reactions occurring when the new chemical is mixed or comes into contact with other substances... during its chemical life (manufacturing, processing, distribution, storage, use and disposal)..."—reaction with fire extinguishing agents, reducing agents, oxidizing agents, and household solvents.

Each of these categories will be discussed with respect to the three new products—RD 1734 Herbicide, M1732 Herbicide, and M1739 Herbicide—as well as relative to additional pertinent data that is available on other glyphosate-containing products of varying composition and concentration.

No Incompatibility with Fire Extinguishing Agents

The first category seeks to answer the question, if there were a fire in a warehouse, for example, where this product was being stored, would there be a violent reaction between this product and the chemicals used to extinguish the fire by either professional firefighters or the occupants of the warehouse? To answer this question, each of these new pesticide products was tested for incompatibility with mono-ammonium phosphate ($NH_4H_2PO_4$), a widely used fire extinguishing agent, by placing 2 grams of this reactant and 10 grams of the pesticide product together in a vial. For each of the new pesticide products, the test showed that there is no reaction between mono-ammonium phosphate and the pesticide products.

Other common fire extinguishing agents include water and carbon dioxide (CO_2). Since all three of these products are water-based formulations and two of the products are more than 90% water themselves, it is logical to assume that there would be no violent reaction between them and water. However, water can be highly reactive when it comes into contact with certain chemicals, such as any of the alkali metals, where water acts as an oxidizing agent yielding hydrogen gas that ignites by the heat generated from the reaction itself. This is an example of what the incompatibility test is designed to identify.

Carbon dioxide (CO_2) is another common fire extinguishing agent. While none of the three new products were tested for compatibility with CO_2, technical grade Glyphosate (Glyphosate Technical, EPA Reg. No. 524-421)[1] and a 62% aqueous solution of the isopropylamine salt of Glyphosate (MON 0139 62% Technical Solution, EPA Reg. No. 524-333)[2] were both tested for incompatibility with this chemical, and in both cases, the temperature remained constant and there were no visual color or other changes to the test solution or gas evolution observed. Since both of these products also showed no reaction with $NH_4H_2PO_4$ and did show a reaction to 1% $KMnO_4$, as did the three new pesticide products, and that technical grade Glyphosate and the isopropylamine salt solutions both contain concentrations of Glyphosate greater than RD 1734, M1732 and M1739 herbicides, it is reasonable to assume that these new products would also show no reaction should it come into contact with CO_2.

The evidence, therefore, supports the conclusion that RD 1734 Herbicide, M1732 Herbicide and M1739 Herbicide, as well as all other glyphosate-containing products would not be expected to react when exposed to commonly used fire extinguishing agents.

Reaction in the Presence of Reducing Agents

Of the three new products, the two with the higher concentration of Glyphosate (42.1% and 1.8% by weight), as well as other Glyphosate-containing products, showed a mild reaction in the presence of zinc metal. The new product with the lowest concentration of glyphosate (0.9% by weight), M1739 Herbicide, showed no reaction in the presence of zinc metal.

Laboratory observations recorded by the principal investigators conducting the studies and contained in the study records typically describe the reaction in the presence of zinc as "some reaction evidenced by bubble (gas) formation." No evidence of a violent reaction or any significant temperature change has ever been seen during this test conducted on any Glyphosate-containing product. The reaction is so mild that even technical grade Glyphosate acid (94% purity) showed no signs of reaction in the presence of zinc.

MON 0139, a 62% solution of the isopropylamine salt of Glyphosate was tested with iron metal shavings, also a moderately strong reducing agent, instead of zinc. No visual signs of a chemical reaction or significant temperature increase were observed when this product was placed in the presence of iron.

Although technical grade Glyphosate and a 62% solution of the isopropylamine salt of Glyphosate did not react in the presence of a reducing agent, the reaction of Glyphosate-containing products in the presence of zinc has been relatively consistent. Typically, bubbles have been seen forming in the test solution during the test indicating some sort of gas being evolved. It is possible that these bubbles could be the evolution of hydrogen gas that is being formed in the presence of zinc. If hydrogen gas is being evolved, there is a risk that in the presence of zinc the concentration of hydrogen gas could build up to a dangerous level, especially when the product is held in a confined space, i.e., within a closed spray tank, and be ignited by an outside heat source causing serious personal injury or property damage. For this reason, there is already a statement in the Physical or Chemical Hazards section of the label of all Glyphosate-containing agricultural and industrial, turf and ornamental concentrated products intended for use by vegetation management professionals that prohibits the end-user from storing the product or mixing spray solutions of the product in galvanized or unlined steel tanks, as galvanized steel contains a high level of zinc and both materials contain iron. The warning statement reads as follows:

[1] MRID 00161333
[2] MRID 40155803

Spray solutions of this product may be mixed, stored and applied using only stainless steel, fiberglass, plastic or plastic-lined steel containers.

DO NOT MIX, STORE OR APPLY THIS PRODUCT OR SPRAY SOLUTONS OF THIS PRODUCT IN GALVANIZED STEEL OR UNLINED STEEL (EXCEPT STAINLESS STEEL) CONTAINERS OR SPRAY TANKS. This product or spray solutions of the product react with such containers and tanks to produce hydrogen gas which could form a highly combustible gas mixture. This gas mixture could flash or explode if ignited by open flame, spark, welder's torch, lighted cigarette or other ignition source, and cause serious personal injury.

This language is more than adequate to protect the end-user from any harm that could arise from the reaction of Glyphosate-containing products with reducing agents, such as zinc and iron. Monsanto believes that this current language is, in fact, better than EPA's proposed warning statement of "do not use or store near any... reducing agents" in that the current statement provides clear and concise directions on what the end-user can and cannot do to protect him or herself from any danger that could possibly arise from the potential physical or chemical hazards of this product. The new statements proposed by EPA provide no real direction to the end-user on what to or not to do to protect him or her self, and leaves it to them to decide what is and what is not a reducing agent.

Reaction in the Presence of Oxidizing Agents

The only oxidizing agent that has been shown to generate a reaction when mixed with Glyphosate-containing products is a 1% aqueous solution of potassium permanganate ($KMnO_4$), a moderately strong oxidizer. Observations from principal investigators regarding this test typically describe a color change in the solution from dark to light over the 24-hour study with no significant temperature change. This reaction has been seen in all three of the new pesticide products as well as in Glyphosate Technical and in a 58% aqueous solution of the potassium salt of Glyphosate (MON 78623 58% Technical Solution, EPA Reg. No. 524-321)[3], a 62% aqueous solution of the isopropylamine salt of Glyphosate (MON 0139) and several other end-use pesticide product formulations. As reported in the product chemistry report for technical grade Glyphosate, there was a white solid that settled on the bottom of the reaction vessel at the end of the incompatibility test, which was later identified by proton NMR to be Glyphosate.

In every oxidation/reduction chemical incompatibility test run on Glyphosate-containing products, there were no violent reactions when the product was mixed with the oxidizing agent and no evolution of gases, noxious fumes, splattering, evolution of flame, or significant temperature increase.

Reaction with Household Solvents

The test guideline for OPPTS 830.6314 states that "if the chemical is intended for use in households it should be placed in contact with a household organic solvent, such as kerosene, turpentine, or gasoline, for 24 hours and observations recorded." Monsanto's standard operating procedure for conducting the chemical incompatibility test (PC-ME-0210-01) has interpreted this part of the guideline as not being applicable to our Glyphosate-containing products, as herbicides are generally not intended for "household use." Therefore, these three new pesticide products were not tested for incompatibility with what the test guideline describes as "household organic solvents," nor has any other Monsanto Glyphosate-containing product ever been tested against such solvents.

[3] MRID 45381101

Label Warning Statements for Chemical Incompatibility Potential Required on a Case-by-Case Basis

The labeling requirements for warning statements related to physical or chemical hazards are covered in the Code of Federal Regulations at 40 CFR § 156.78. According to the regulations and Chapter 9 of the EPA Label Review Manual on Physical and Chemical Hazards (September 2007), the only criteria defining when warning statements are required on a pesticide product label are with regards to a product's flammability or explosive nature, and a few other specialized categories. For example, the regulations and manual state very specifically that if the flash point of a product that is not packaged under pressure is at or below 20 °F, the warning statement *"Extremely flammable.* Keep away from fire, sparks and heated surfaces" is required to be placed on the product label, and there are similar specific labeling statements required for products with flash points between 20 and 80 °F, and between 80 and 150 °F, too. For all other physical or chemical hazards, including oxidizing potential and other chemical incompatibility, there are no definitive warning statements or definitive criteria for when warning statements are required to be placed on the label. The regulations state that for other physical or chemical hazards, such as oxidizing potential and other chemical incompatibility, "warning statements may be required on a case-by-case basis." The Label Review Manual states,

> *"When data submitted in accordance with the requirements set forth in 40 CFR 158.310 demonstrate hazards of a physical or chemical nature other than flammability or explosive potential, appropriate statements of hazard must be included on the label. Such statements may address hazards of oxidizing or reducing capability, reactivity, or corrosivity. These decisions are made on case-by-case basis."*

Since all Glyphosate-containing products have a flash point of greater than 150 °F, no label warning statement for flammability is required for any Glyphosate-containing product. Therefore, the only criteria left to consider for physical or chemical hazard are these "other" hazards, i.e., oxidizing or reducing potential, reactivity and corrosivity, which are to be considered on a case-by-case basis.

In the case of the three new Glyphosate products, all three showed the same reaction to the moderately strong oxidizing agent, potassium permanganate, and two of the three showed a very slow, mild reaction when placed in contact with zinc metal, a reducing agent. The details of the oxidation reaction and reduction reaction will be discussed separately.

Oxidation Reaction

The Agency has required that some form of the general statement "do not use with or store near oxidizing agents" be added to the labels of each of the three new products—RD1734 Herbicide, M1732 Herbicide and M1739 Herbicide—based on the fact that there was a reaction when potassium permanganate, a moderately strong oxidizing agent, was added to a sample of each product, as reported in the individual product chemistry report for each of these products. Monsanto feels that, when the details of the reaction of each product are considered, this warning statement is not warranted for these products.

Each product was tested for incompatibility with potassium permanganate according to the Pesticide Assessment Guideline for the Oxidation/reduction: Chemical Incompatibility test, OPPTS 830.6314. It is stated in the guidelines that the objective of this test is to determine "...the likelihood of violent reactions occurring when the chemical is mixed or comes into contact with other substances." With respect to the objectives, it can be interpreted that the test was negative based on the observations of the principal investigator who conducted the test—there was NO evidence of any violent reaction when potassium permanganate was added to any of the three Glyphosate-containing formulations. There were also no significant increases in temperature or evolution of gases, noxious fumes, splattering or flames when potassium permanganate was added to these products, which are also listed in the guidelines as important criteria in evaluating the results of this chemical incompatibility test. In other words, it can be concluded that there were no hazards identified.

Measured against any of these criteria, it could be concluded that no hazards were identified, and, therefore, no warning statement is needed to ensure that contact of any of these products with oxidizing agents needs to be avoided during manufacturing, processing, distribution, storage, use or disposal of these products.

Furthermore, not only is the warning statement "do not use with or store near oxidizing agents" not warranted based on the results of the chemical incompatibility test, but it is also vague and confusing by itself. Which oxidizing agents should these products not be used with or stored near? Does the typical end-user or person possessing the product even know what an oxidizing agent is? Water itself can be an oxidizing agent and can react violently with the alkali metals, such as metallic sodium, yet all three of these new pesticide products are either intended to be mixed with water prior to application or are already mixed with water and intended to be applied as is. According to the EPA's proposed warning statement, the formulations themselves would be in violation of the label.

The fact that glyphosate technical shows a mild reaction when it comes into contact with potassium permanganate was reported to the EPA in a product chemistry report on Glyphosate technical dated 1986. Over the more than 25 years that have passed since then, Monsanto is unaware of any incident where harm was caused to either the health of a human or to the environment because of the product's exposure to an oxidizing agent, or an incident that could have been avoided if there was a statement on the label warning the user against mixing the product with or storing it near any oxidizing agents.

Overall, when considering the reactivity of any three of these new pesticide products when exposed to oxidizing agents on a case-by-case basis, the conclusion should be that no additional warning statements are necessary based on the available data.

Reduction reaction

As previously discussed, chemical incompatibility tests show that, while the reaction may be mild and slow with no significant increase in temperature, there is evidence of a gas being evolved when zinc metal is placed in aliquots of RD1734 Herbicide and M1732 Herbicide. The same observation has been noted when this test has been conducted on several other end-use and manufacturing-use products containing glyphosate. It is possible that the gas being evolved from these products is hydrogen gas, which could react violently if allowed to build to a high enough concentration and ignited by an external flame or heat source. Therefore, it is appropriate that these products carry a warning statement in the Physical or Chemical Hazards section of the product label that very clearly states that the product should be mixed, stored and applied using only stainless steel, fiberglass, plastic or plastic-lined steel containers, and specifically that it is not to be mixed or stored in galvanized or unlined steel containers. This warning statement is already on the label of all concentrated Glyphosate-containing agricultural products and those products intended for use by weed management professionals on industrial, turf and ornamental sites, and has served its purpose well. This statement provides users with much more practical and useful information that will protect them from harm than does the warning statement "do not mix with or store near reducing agents." Most likely, the end-user will not know what a reducing agent is or that galvanized or unlined steel contain high levels of zinc and iron, reducing agents that could cause the evolution of hydrogen gas from these products.

The warning statement proposed by EPA for RD1734 Herbicide and M1732 Herbicide could be interpreted differently in a variety of situations by a variety of people. For example, since the proposed label statement simply says "do not...store near reducing agents," and it has been shown in the chemical incompatibility test that the products show a mild reaction in the presence of zinc, does EPA intend to interpret this statement to mean that these products cannot be stored on a galvanized metal shelf or inside a building constructed of galvanized steel, which, as pointed out earlier, is a metal that contains high levels of zinc, a moderately strong reducing agent? Does the EPA feel that there is an unacceptable

risk to human health or the environment if these products are stored in a galvanized metal building or backyard metal shed? If application of this warning statement were expanded to be included on labels of other Glyphosate-containing products, especially the agricultural products, prohibiting them from storage near or inside a galvanized metal building would exclude them from storage in an overwhelming majority of the buildings within the agricultural infrastructure.

Does the EPA also intend to interpret this label statement in such a manner as to prohibit the products from being stored inside a building with exposed iron supports, as many warehouse buildings are constructed, as iron, too, is a moderately strong reducing agent?

Summary and Conclusions

The Agency has required that Monsanto, as a condition of registration of three of its new Glyphosate-containing products—RD 1734 Herbicide (EPA File Symbol 71995-53), M1732 Herbicide (EPA File Symbol 71995-52) and M1739 Herbicide (EPA File Symbol 71995-54)—add a new warning statement to the label of each of these products that has never before been required for any other Monsanto Glyphosate-containing product or, to our knowledge, for any Glyphosate-containing product of any other registrant. This new statement varies slightly for each new product, but consistent with the basic form of "do not use with or store near any oxidizing or reducing agent." Monsanto respectfully disagrees with the Agency's conclusion that this warning statement is warranted based on results presented in the product chemistry report for the oxidation/reduction chemical incompatibility test (OPPTS 830.6314) conducted on each product. Monsanto, furthermore, contends that the warning statements proposed by the Agency are too vague and confusing to provide any meaningful direction to the shipper, wholesaler, retailer or end-user of the product, and could be broadly interpreted to render the product itself misbranded or to exclude it from being stored in galvanized metal or iron reinforced warehouses, barns, storage or tool sheds, or other such structures commonly used to store these products.

However, since the potential exists for hydrogen gas to slowly form and build up within a confined space when Glyphosate-containing products are exposed to zinc, and since galvanized and unlined steel contain high levels of zinc and iron, Monsanto believes that it is reasonable and appropriate that any and all Glyphosate-containing products labeled for residential use by homeowners (L&G products) that require mixing and dilution prior to use carry the following warning statement on the product label under the heading of Physical or Chemical Hazards:

> Spray solutions of this product may be mixed, stored and applied using only stainless steel, fiberglass, plastic or plastic-lined steel containers.
>
> DO NOT MIX, STORE OR APPLY THIS PRODUCT OR SPRAY SOLUTONS OF THIS PRODUCT IN GALVANIZED STEEL OR UNLINED STEEL (EXCEPT STAINLESS STEEL) CONTAINERS OR SPRAY TANKS.

This warning statement is similar to the statement currently included on the label of all concentrated Glyphosate-containing agricultural products and those intended for use by weed management professionals on industrial, turf and ornamental sites, without the additional information as to why mixing the product in galvanized steel or unlined steel containers is prohibited. Monsanto proposes for consideration by the Agency that this simplified warning statement is more appropriate for L&G products, given the relatively small volumes of product used or held in storage by homeowners as compared to the volumes used and held in bulk by farmers and weed management professionals.

This simplified warning statement would be appropriate for inclusion on the label for the new pesticide product RD 1734 Herbicide, which contains 42.1% glyphosate in the form of its potassium salt, and requires separate mixing and dilution with water prior to application by the user. M1732 Herbicide and M1739 Herbicide, however, are sold as ready-to-use formulations in plastic containers and require no

separate mixing or dilution prior to application, and, therefore, would not require this warning statement for the protection of the end-user.

Monsanto hereby requests that the Agency reevaluate the hazards of oxidizing and reducing capability posed by RD 1734 Herbicide (EPA Reg. No. 71995-53), M1732 Herbicide (EPA Reg. No. 71995-52) and M1739 Herbicide (EPA Reg. No. 71995-54) and reconsider its requirement that additional warning statements related to the physical and chemical hazards of these products be added to the labels of these products.

Prepared by Monsanto Company
June 14, 2012

Kraft, Erik

From: MERO, HELEN [AG/1000] <helen.mero@monsanto.com>
Sent: Friday, April 11, 2014 11:09 AM
To: Kraft, Erik
Cc: Davis, Kable; JENKINS, DANIEL J [AG/1920]; JANUS, ERIK [AG/1920]
Subject: RE: 524-ARA M1769 label changes
Attachments: 000524-XXX.20130906.Master Label.M1769 Premix Herbicide-Apr2014.pdf

Hi Erik-
I have attached the updated label where I addressed points 2 and 3 as you required. For point 2, I will be making a separate submission for those research supplemental labels are consistent with what has been accepted recently for another Monsanto dicamba-based product, M1691 Herbicide, EPA Reg. 524-582.

In regards to point 1, I want to refer you to the Monsanto letter submitted by June 2012 and entitled "Justification for the Removal of Additional Warning Statement Related to Oxidizing and Reducing Potential from Product Labels for RD 1734 Herbicide, M1732 Herbicide, and M1739 Herbicide". It is my understanding that those products (EPA Reg. 71995-53 and 71995-52) were accepted by EPA with the standard language that I have included in the current product label. Furthermore, as you can see in the Product Chemistry report for the current end-product registration, the reaction with KMnO4 was mild and would not meet the criteria to characterize it as positive since it only produced a color change. In each chemical incompatibility test run on MON 76832, there were no violent reactions observed when the product was mixed with the oxidizing or reducing agent and no evolution of
gases (other than a few bubbles), noxious fumes, splattering, evolution of flame, or significant temperature increase observed.

Please let us know your thoughts and I will be happy to have a discussion with you if needed.
Have a great weekend!

Helen Mero | Chemistry Regulatory Affairs | O: 314-694-2756 | C: 314-238-6185 | Monsanto Company, 800 N. Lindbergh Blvd., St. Louis, MO 63167 | helen.mero@monsanto.com

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From: Kraft, Erik [mailto:Kraft.Erik@epa.gov]
Sent: Wednesday, April 09, 2014 10:01 AM
To: MERO, HELEN [AG/1000]
Cc: Davis, Kable
Subject: 524-ARA M1769 label changes

Please make the following label changes and email me a revised label:

1. Under the heading "Physical and Chemical Hazards" add "Do not use or allow coming into contact with oxidizing agents. Hazardous chemical reactions may occur." Since the product is oxidized by 1% KMnO4
2. Remove the heading "Supplemental Labels" and all reference to supplemental labels from the label and remove the dicamba tolerant crop supplemental use directions or provide the epa reg. # and date of acceptance where you got the use directions from. If you wish to keep these sections they must be included in the directions for use section not under supplemental use headings.
3. On page 19, specify that 256 fluid ounces is applied per acre/year since Dicamba is only to applied up to 1 lb. ai/acre and 2 lbs. ai/acre/year.

Thanks
Erik

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
WASHINGTON, D.C. 20460

OFFICE OF CHEMICAL SAFETY AND
POLLUTION PREVENTION

OFFICE OF PESTICIDE PROGRAMS
REGISTRATION DIVISION (7505P)

20/MAR/2014

MEMORANDUM

Subject: Acute Toxicity Review for EPA File Symbol 524-ARA

Name of Pesticide Product:	M1769 Premix Herbicide
EPA Reg. No.:	524-ARA
DP Barcode:	D415381
Decision No.:	483043
Action Code:	R310
PC Codes:	128931 (dicamba diglycolamine salt), 103605 (glyphosate ethanolamine salt)

From: Eugenia McAndrew, Biologist
Technical Review Branch
Registration Division (7505P)

E. McAndrew
M Hershi
TOXICOLOGY

To: Erik Kraft, RM Team 25
Herbicide Branch
Registration Division (7505P)

Applicant: Monsanto Company
1300 I Street N.W.
Washington, DC 20005

FORMULATION FROM LABEL:

Active Ingredient(s):	% by wt.
Diglycolamine salt of dicamba	14.5
Glyphosate in the form of its ethanolamine salt	29.2
Other Ingredient(s):	56.3
Total:	100.00%

ACTION REQUESTED: The Risk Manager requests a review of six acute toxicity studies submitted to support registration of EPA File Symbol 524-ARA.

BACKGROUND: Monsanto Company has submitted six acute toxicity studies (MRID Nos. 491955-03 to -06 and -08 and -09) to support the registration of M1769 Premix Herbicide, EPA File Symbol 524-ARA. The TRB Product Chemistry Team must review and accept the basic CSF and alternate CSFs A, B, C and D included in the submission.

Note: The test substance in the studies is identified as "MON 76832" which is the Formulation Code for M1769 Premix Herbicide.

GLP: Yes

DEVIATIONS: None

LABELING:

PRODUCT ID #: 000524-00616

PRODUCT NAME: M1769 Premix Herbicide

PRECAUTIONARY STATEMENTS

SIGNAL WORD: CAUTION

Hazards to Humans and Domestic Animals:

Causes moderate eye irritation. Avoid contact with eyes or clothing. [Wear protective eyewear.]* Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum, using tobacco or using the toilet. Wear: Long-sleeved shirt and long pants, socks, shoes, and gloves.

*[Protective eyewear may be specified, if appropriate.]

First Aid:

If in eyes:
-Hold eye open and rinse slowly and gently with water for 15-20 minutes.
-Remove contact lenses, if present, after the first 5 minutes, then continue rinsing.
-Call a poison control center or doctor for treatment advice.

Have the product container or label with you when calling a poison control center or doctor or going for treatment. You may also contact 1-800-xxx-xxxx for emergency medical treatment information.

User Safety Recommendations:

Users should:
-Wash hands before eating, drinking, chewing gum, using tobacco or using the toilet.
-Remove clothing/PPE immediately if pesticide gets inside. Then wash thoroughly and put on clean clothing.
-Remove PPE immediately after handling this product. Wash the outside of gloves before removing. As soon as possible, wash thoroughly and change clothing.

DATA EVALUATION RECORD

Product Reg. No.: 524-ARA
Product Name: M1769 Premix Herbicide

1. DP BARCODE: 415381				
2. PC CODES: 128931, 103605				
3. CURRENT DATE: March 20, 2014				
4. TEST MATERIAL: MON 76832 (Lot # GLP-1304-22586-F; EPSL Ref. No. 130514-3R; 19.45% Glyphosate Acid (~29.2% glyphosate ethanolamine salt) and 9.99% Dicamba Acid (~14.5% diglycolamine salt of dicamba); density 1.203 g/mL; transparent green liquid; administered as received)				
Study/Species/Lab Study # /Date	**MRID**	**Results**	**Tox Cat**	**Core Grade**
Acute oral toxicity / rat Product Safety Labs Study #36610/June 28, 2013 OCSPP 870.1100; OECD 425	49195503	LD_{50} Females > 5000 mg/kg 3 females tested at the limit dose All animals survived and gained weight. Clinical signs: ataxia and reduced fecal volume in all rats with recovery by day 2; no gross abnormalities at necropsy.	IV	A
Acute dermal toxicity / rat Product Safety Labs Study #36611/June 28, 2013 OCSPP 870.1200; OECD 402	49195504	LD_{50} > 5000 mg/kg (both sexes) All animals survived and gained weight. Dermal irritation noted: erythema at 7 dose sites between days 1-6; small areas of dark discoloration at 3 dose sites between days 2 and 6; desquamation at 2 sites between days 3 and 9; no gross abnormalities at necropsy	IV	A
Acute inhalation toxicity / rat Product Safety Labs Study #36612/June 28, 2013 OCSPP 870.1300; OECD 403	49195505	LC_{50} > 5.13 mg/L (both sexes) MMAD: 2.31µm GSD: 2.04, 2.00 Mortality: 1 male died on day 1 Clinical signs: hypoactivity and irregular respiration noted in decedent before death; irregular respiration, moist rales, ano-genital staining, reduced fecal volume and/or hypoactivity in all animals; initial body weight loss but all animals gained weight on days 7	IV	A

		and 14; gross necropsy of decedent revealed extremely red lungs and moderately distended stomach and intestines		
Primary eye irritation / rabbit Product Safety Labs Study #36018/July 29, 2013 OCSPP 870.2400; OECD 405	49195506	3 males tested; ocular anesthetic used corneal opacity in all eyes at 1 hr resolving by 48 hrs; positive conjunctivitis (redness), noted in 1 eye at 1 hr and in all eyes at 24 hrs; no positive scores at 48 hrs and all eyes free of irritation by 72 hrs	III	A
Primary dermal irritation / rabbit Product Safety Labs Study #36613/July 18, 2013 OCSPP 870.2500; OECD 404	49195508	PDI = 0.1 3 females tested The only irritation noted was very slight erythema at 1 site at 24 hrs resolving by 48 hrs; desquamation noted at this site at 72 hrs	IV	A
Dermal sensitization /guinea pig Product Safety Labs Study #36614/July 8, 2013 OCSPP 870.2600; OECD 406	49195509	Negative Appropriate positive control provided	--	A

Core Grade Key: A =Acceptable, S = Supplementary, U = Unacceptable, D = Data Gap

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
WASHINGTON, D.C. 20460

OFFICE OF CHEMICAL SAFETY
AND POLLUTION PREVENTION

OFFICE OF PESTICIDE PROGRAMS
REGISTRATION DIVISION (7505P)

DP BARCODE No.: D415380 **FILE SYMBOL No.**:524-ARA **PRODUCT NAM0E:** M1769 PREMIX HERBICIDE **Code(s)**:128931, 103605 **Decision:** 483043 **Action Code**: R310 **FOOD Use**: YES

DATE OUT: 04/07/14

SUBJECT: End Use Product Chemistry Review
Product Name: M1769 PREMIX

04/07/14

FROM: Indira Gairola, Product Chemistry Team
Technical Review Branch / Registration Division (7505P)

4/8/14

TO: Eric Kraft / Kable Davis PM 25
Herbicide Branch / Registration Division (7505P)

Company Name :Monsanto Company.
Formulation Type: Herbicide (liquid)

INTRODUCTION:

The registrant submitted an application requesting approval of for the registration of the new end use product " M1769 PREMIX " In support of the registration application, the registrant is submitting 830 series group A and B product chemistry data with MRID Nos. 491955-01 to -02 along with Basic CSF, Alternate formulation CSFs A,B,C & D all dated 09/03/13
TRB has been asked to determine the acceptability of the product chemistry data and the proposed CSF.

SUMMARY OF FINDINGS:

1. Name of Active Ingredient(s): Dicamba diglycolamine salt (14.5%), Glyphosate ethanolamine salt (29.2%).

2. Has the registrant claimed substantial similarity to a registered product?

   [ ] Yes; [X] No; [ ] NA; if yes give the registration number of the cited product.

3. All of the source materials of the active ingredient are derived from registered sources-
   [X] Yes [ ] No

4. All inert ingredients have been screened by IIAB and found to be approved for the proposed labeled food uses.

5. Confidential Statement of Formula(s):

[X] Proposed Basic – dated 09/03/13

[ ] Proposed Alternate. A, B, C, & D all dated 09/03/13

Alternate CSF(s) comply with 40CFR§152.43: [X] Yes; [ ] No; [ ] NA

6. Product label

a. Ingredient statement: Nominal concentration of AI listed on CSF(s) concurs with product label (PR Notice 91-2)

[X] Yes; [ ] No; if not, explain below:

Is the sub statement in compliance with PR Notice 97-6 (inert ingredient vs. other ingredient)
[X] Yes [ ] No; if not, explain below:

Metallic equivalent: [ ] Yes [X] NA
Soluble arsenic: [ ] Yes [X] NA
Isomeric ratios: [ ] Yes [X] NA
Acid equivalent. [X] Yes [ ] NA 67.8% of Glyphosate ethanolamine salt 45.6% of Glyphosate acid equivalent, 58.1% Dicamba diglycolamine salt 39.4% dicamba acid equivalent

b. Health related sub statements: Product contains?

Petroleum distillate at > 10%: [ ] Yes [X] No [ ] NA
Methanol at > 4%: [ ] Yes [X] No [ ] NA
Sodium nitrate/Sodium nitrite: [ ] Yes [X] No [ ] NA

c. Physical chemical hazard statement: Product label requires a statement per 40 CFR §156.78 For: flammability, explosive potential or electric insulator breakdown?
[ ] Yes [X] No
Is the sub statement in compliance with PR Notice 98-6 (Total Release Fogger)?
[ ] Yes, [ ] No; [X] NA; if not, explain below:

d. Label requires an additional Storage and Disposal statement: [ ] Yes [X] No; if yes explain below:

7. Group **A**: Product Chemistry Data. TRB's determination of the acceptability of the data for the proposed subject product is listed in the tables below.

Guideline No.	Study Title		Data submitted		TRB's Assessment of Data	MRID Nos.
			Yes	No		
830.1550	Product Identity & Composition		X		A	CSF 09/03/13
830.1600	Description of materials used to produce the product		X		A	491955-02
830.1650	Description of formulation process		X		A	491955-02
830.1670	Discussion on the formation of impurities		X		A	491955-02
830.1700	Preliminary analysis					09/03/13
830.1750	Certified limits (158.350)	Standard certified limits	X			
		Proposed Limits				
		Justification for wider limits				
830.1800	*Enforcement analytical method*		X		A	*491955-02*

A = Acceptance, N = Not Acceptable, G = Data Gap,
W = Waiver Request, I = In Progress, NA = Not Applicable, U = Upgradeable.

8. Group **B:**

Guideline No.	Study Title	Value or Qualitative Description	TRB's Assessment of Data	MRID Nos.
830.6303	Physical State	Viscous liquid	A	491955-01
830.6315	Flammability	>200 °F (CSF 09/03/13)	A	491955-01
830.6314	Oxi/ Red	Oxidized by 1% KMnO4 reduced by Zn, not oxidized by Ammonium phosphate	A	491955-01
830.6316	Excludability	No exo therm was observed when held @ 160 °C for 2 hours	A	491955-01
830.7000	pH	5 17@ 25°C (1% w/w soln.)	A	491955-01
830.7100	Viscosity	@20°C Centipoise/RPM29.0/626.6/ 1224.3/30 23.79/60,@40°C centipoise /RPM 16.0/6 14.6/12,12.6/30, 12.23/60	A	491955-01
830.7300	Density (units)	1.2298 g/mL@20°C.	A	491955-01

A = Acceptance, N = Not Acceptable, G = Data Gap, W = Waiver request,
NA = Not applicable, I = In progress, U = Upgradeable.

CONCLUSIONS:

TRB has reviewed Basic CSF, Alternate formulation CSFs A, B,C & D all dated 09/03/13 and product chemistry data cited for the proposed end use product: M1769 PREMIX HERBICIDE and has concluded:

1. The aforementioned for Guideline 830.1550 corresponding to 830 series group A (product identity and composition) and aforementioned CSFs are acceptable.

2 Data submitted corresponding to 830 series group B for product chemistry are acceptable

3. Data submitted corresponding to 830 series group B product chemistry data are acceptable except data for one year storage stability (guideline 830.6317) and corrosion characteristics (guideline 830.6320) studies. The results from both study types must be submitted. It is recommended that the observations should be made at 0, 3, 6, 9, and 12 month intervals. Applicant has stated that these studies will be initiated at warehouse conditions.

4. The proposed label was screened as it pertains to the product chemistry requirements.

5. The final review of the proposed label and uses are the purview of the PM team.

NOTE TO THE PM:

Since the product is oxidized by 1 % KMnO4, Please have the registrant include following statement under the heading Physical and Chemical Hazards
"Do not use or allow coming in contact with oxidizing agents. Hazardous chemical reactions may occur".

MONSANTO

MONSANTO COMPANY
1300 I (Eye) Street, NW
Suite 450 East
Washington, D.C. 20005
http://www.monsanto.com

Hand Delivered

September 6, 2013

Helen Mero
Regulatory Affairs Manager
314-694-2756

Document Processing Desk (E-SUB)
Office of Pesticide Programs
U.S. Environmental Protection Agency
One Potomac Yard
2777 South Crystal Drive, Room S4900
Arlington, VA 22202-4501

Attention: Kable Bo Davis
PM Team 25

Subject: **Application to Register a New End-Use Product, M1769 Premix Herbicide. R.D. 1769: PRIA Category R310**

Dear Mr. Davis:

The present submission, RD 1769, is an application for pesticide registration of a new end-use product, M1769 Premix Herbicide containing the ethanolamine salt of glyphosate and the diglycolamine salt of dicamba in a 2:1 ratio based on the nominal concentrations of the acid equivalents (a.e.) of these active ingredients, respectively. All proposed uses in the M1769 Premix Herbicide Master Label are currently approved for other Glyphosate and dicamba end-use products. No new uses of these active ingredients are being proposed with this new product registration.

Monsanto considers this proposed registration action to fall under PRIA Category R310 that requires review of product chemistry and acute toxicity data within the Registration Division and, therefore, subject to a service fee in the amount of $4,807.00. Payment of this PRIA service fee was submitted through Pay.gov (Tracking ID: 25C77POC and Agency Tracking ID: 74498434830). A copy of the payment confirmation is included with this submission.

This application is being submitted electronically on the enclosed compact disk (CD) and contains the following documents in Portable Document Format (PDF):

- Cover letter
- Application for Pesticide Registration – EPA Form 8570-1
- Proof of PRIA fee payment
- Confidential Statement of Formula – EPA Form 8570-4
- Formulator's Exemption Statement for the dicamba active ingredient source- EPA Form 8570-27
- Certification with Respect to Citation of Data – EPA Form 8570-34

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- Data Matrix (Agency and Public Copies) for data on M1769 Premix Herbicide and supporting data relevant to technical active ingredients (all in one file)
- Transmittal Document for nine (9) product chemistry and acute toxicology studies
- A proposed Master Label (000524-XXX.20130906.Master Label.M1769 Premix Herbicide.pdf)
- Nine (9) volumes of data, including two (2) product chemistry data volumes and seven (7) acute toxicology data volumes to support this product registration

Should you require any additional information or have any questions regarding this submission, please contact Erik Janus (202)383-2866 at our Washington DC office, or me by direct telephone (314)694-2756, or electronic mail at helen.mero@monsanto.com.

Sincerely,

Helen Mero.

Helen Mero
Regulatory Affairs Manager

cc: Erik Janus / DC Office
File copy

Please read instructions on reverse before completing form. Form Approved. OMB No. 2070-0060.

EPA

United States
Environmental Protection Agency
Washington, DC 20460

☒ **Registration**
☐ **Amendment**
☐ **Other**

OPP Identifier Number

Application for Pesticide – Section I

1. Company/Product Number	2. EPA Product Manager	3. Proposed Classification
Monsanto Company/524-XXX	Kable Bo Davis	☐ None ☐ Restricted
4. Company/Product (Name)	PM #	
Monsanto Company/ M1769 Premix Herbicide	25	

5. Name and Address of Applicant *(Include ZIP Code)*
Monsanto Company
1300 I (Eye) Street, NW – Suite 450 East
Washington, DC 20005
☐ Check if this is a new address

6. **Expedited Review.** In accordance with FIFRA Section 3(c)(3) (b)(i), my product is similar or identical in composition and labeling to:
EPA Reg. No. _____
Product Name _____

Section – II

☐ Amendment – Explain below.
☐ Resubmission in response to Agency letter dated
☐ Notification – Explain below.
☐ Final printed labels in response to Agency letter dated
☐ "Me Too" Application.
☒ Other – Explain below.

Explanation: Use additional page(s) if necessary. (For section I and Section II.)

Application for registration of a new end-use product, M1768 Herbicide. PRIA Category R310. PRIA fee of $ 4,807.00 paid through Pay.gov (Tracking ID: 25C77POC, Agency Tracking ID: 74498434830)

Section – III

1. Material This Product Will Be Packaged In:

Child-Resistant Packaging	Unit Packaging		Water Soluble Packaging		2. Type of Container
☐ Yes* ☐ No	☐ Yes ☐ No		☐ Yes ☐ No		☐ Metal ☐ Plastic ☐ Glass ☐ Paper ☐ Other (Specify)
* ***Certification must be submitted***	If "Yes" Unit Packaging wgt.	No. per Container	If "Yes" Package wgt.	No. per Container	

3. Location of Net Contents Information	4. Size(s) Retail Container	5. Location of Label Directions
☐ Label ☐ Container		☐ On Label ☐ On Labeling accompanying product

6. Manner in Which Label is Affixed to Product ☐ Lithograph ☐ Paper glued ☐ Stenciled ☐ Other _____

Section – IV

1. Contact Point *(Complete items directly below for identification of individual to be contacted, if necessary, to process this application.)*

Name	Title	Telephone No. *(Include Area Code)*
Dan Jenkins	U.S. Agency Regulatory Affairs Lead	202-383-2851

Certification

I certify that the statements I have made on this form and all attachments thereto are true, accurate and complete. I acknowledge that any knowingly false or misleading statement may be punishable by fine or imprisonment or both under applicable law.

2. Signature	3. Title	6. Date Application Received
Helen Mero.	Regulatory Affairs Manager	**(Stamped)**
4. Typed Name	5. Date	
Helen E. Mero	**September 3, 2013**	

RESUBMISSION

EPA Form 8570-1 (Rev. 8-94) Previous editions are obsolete.

Form Approved OMB No. 2070-0060

EPA

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
401 M Street, S.W.
Washington, D.C. 20460

DATA MATRIX

Date: September 3, 2013	EPA Reg. No./File Symbol: 524- XXX	Page 2 of 2
Applicant's/Registrant's Name & Address: Monsanto Company, 1300 I (Eye) Street, N.W., Suite 450 East, Washington, D.C. 20005	**Product:** M1769 Premix Herbicide	

Ingredient **Glyphosate and Dicamba**

Guideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status	Note
OPPTS 870.2500	Product Chemistry Data to Support the MON 76832: Primary Skin Irritation Study in Rabbits	49195508	Monsanto Company	OWN	
OPPTS 870.2600	MON 76832: Dermal Sensitization Study in Guinea Pigs (Buehler Method)	49195509	Monsanto Company	OWN	

Signature	Name and Title	Date
Helen Mero.	Helen Mero Regulatory Affairs Manager	September 3, 2013

EPA Form 8570-35 (9-97) Electronic and Paper versions available. Submit only Paper version.

Form Approved OMB No. 2070-0060

EPA

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
401 M Street, S.W.
Washington, D.C. 20460

Paperwork Reduction Act Notice: The public reporting burden for this collection of information is estimated to average 0.25 hours per response for registration activities and 0.25 hours per response for reregistration and special review activities, including time for reading the instructions and completing the necessary forms. Send comments regarding the burden estimate or any other aspect of this collection of information, including suggestions for reducing the burden to: Director, OPPE Information Management Division (2137), U.S. Environmental Protection Agency, 401 M Street, S.W., Washington, DC 20460. Do not send the form to this address.

DATA MATRIX

Date: September 3, 2013	EPA Reg. No./File Symbol: 524- XXX	Page 1 of 2
Applicant's/Registrant's Name & Address: Monsanto Company, 1300 I (Eye) Street, N.W., Suite 450 East, Washington, D.C. 20005	**Product:** M1769 Premix Herbicide	

Ingredient **Glyphosate and Dicamba**

Guideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status	Note
OPPTS Series 830	Product Chemistry Data to Support the Registration of MON 76832 as an End-Use Herbicide	49195501	Monsanto Company	OWN	
OPPTS Series 830	Product Chemistry Data to Support the Registration of MON 76863 as an End-Use Herbicide	49195502	Monsanto Company	OWN	
OPPTS 870.1100	MON 76832: Acute Oral Toxicity Up and Down Procedure in Rats – Limit Test	49195503	Monsanto Company	OWN	
OPPTS 870.1200	MON 76832: Acute Dermal Toxicity Study in Rats – Limit Test	49195504	Monsanto Company	OWN	
OPPTS 870.1300	MON 76832: Acute Inhalation Toxicity Study in Rats – Limit Test	49195505	Monsanto Company	OWN	
OPPTS 870.2400	MON 76832: Primary Eye Irritation Study in Rabbits	49195506	Monsanto Company	OWN	
OPPTS 870.2400	MON 76863: Primary Eye Irritation Study in Rabbits	49195507	Monsanto Company	OWN	

Signature	Name and Title	Date
Helen Mero	Helen Mero Regulatory Affairs Manager	September 3, 2013

EPA Form 8570-35 (9-97) Electronic and Paper versions available. Submit only Paper version.

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
WASHINGTON, D.C. 20460

September 12, 2013

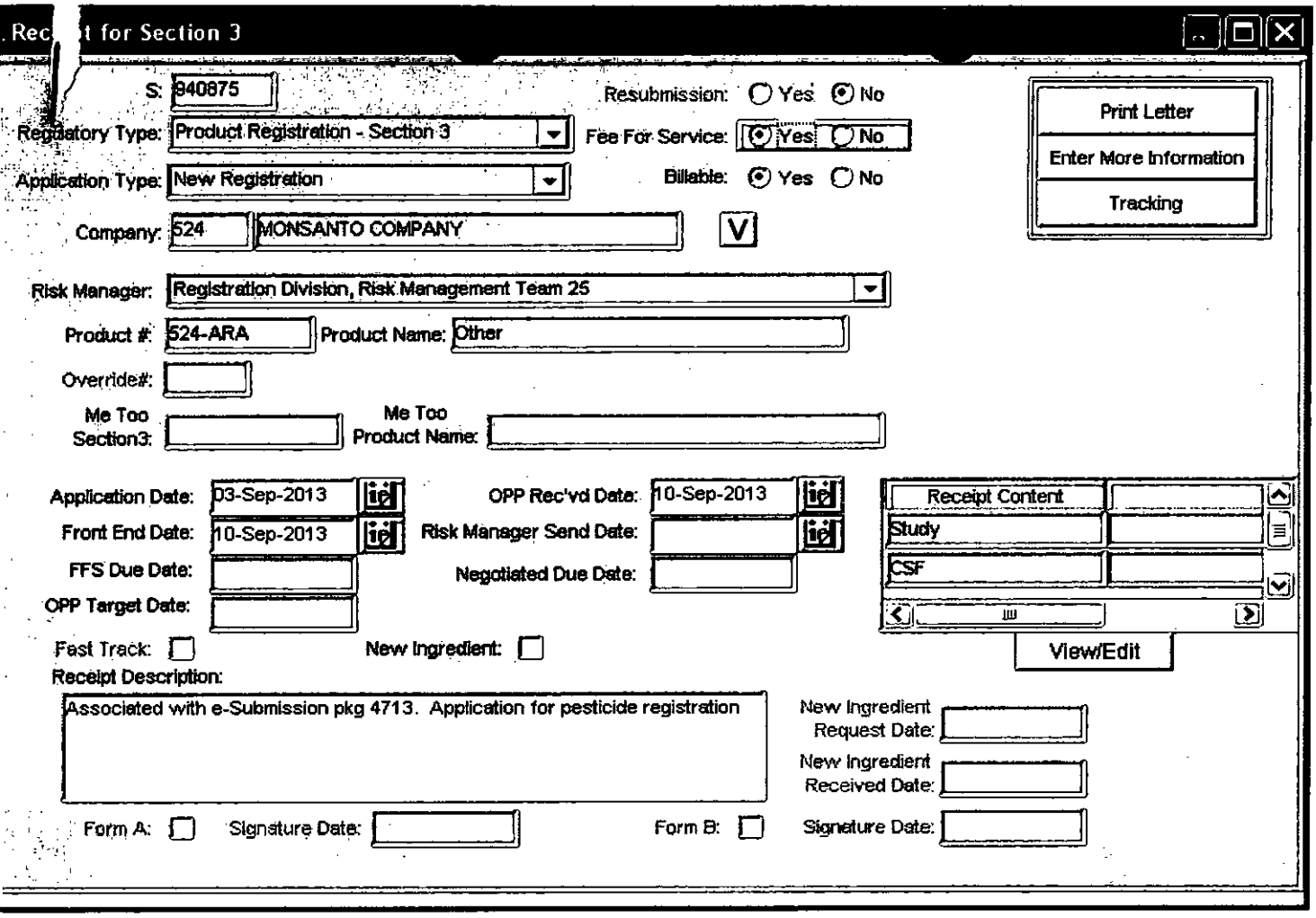
OFFICE OF CHEMICAL SAFETY
AND POLLUTION PREVENTION

MONSANTO COMPANY
1300 I STREET, NW, SUITE 450 EAST
WASHINGTON, DC 20005

Report of Analysis for Compliance with PR Notice 11-03

Thank you for your submittal of 10-SEP-13. Our staff has completed a preliminary analysis of the material. The results are provided as follows:

Your submittal was found to be in full compliance with the standards for submission of data contained in PR Notice 11-03. A copy of your bibliography is enclosed, annotated with Master Record ID's (MRIDs) assigned to each document submitted. Please use these numbers in all future references to these documents. Thank you for your cooperation. If you have any questions concerning this data submission, please raise them with the cognizant Product Manager, to whom the data have been released.


. Rec t for Section 3
S: 940875
Resubmission: Yes No
Regulatory Type: Product Registration - Section 3
Fee For Service: Yes No
Application Type: New Registration
Billable: Yes No
Print Letter
Enter More Information
Tracking
Company: 524 MONSANTO COMPANY
V
Risk Manager: Registration Division, Risk Management Team 25
Product #: 524-ARA
Product Name: Other
Override#:
Me Too Section3:
Me Too Product Name:
Application Date: 03-Sep-2013
OPP Rec'vd Date: 10-Sep-2013
Front End Date: 10-Sep-2013
Risk Manager Send Date:
FFS Due Date:
Negotiated Due Date:
OPP Target Date:
Receipt Content
Study
CSF
Fast Track:
New Ingredient:
View/Edit
Receipt Description:
Associated with e-Submission pkg 4713. Application for pesticide registration
New Ingredient Request Date:
New Ingredient Received Date:
Form A:
Signature Date:
Form B:
Signature Date:

Completion of 21-Day Content Screen

PM- 25

EPA Reg. #(File Symbol) 524-ARA

Decision # D 483043

Data package delivered to you on 9/25/13.
(date)

Jacket/Mini-jacket will be transferred to you today.
(Pick up from Document Center)

Thank you,

Registration Division's 21-Day Content Team

E-SUBMISSION

524-ARA

Memorandum

Date: 9/12/13

To: PM 25, Regulatory Manager

From: Information Services Branch, ITRMD

Your receipt of this data submission is not an indication that MRIDs for the enclosed studies have been posted to OPPIN.

We expect that it will be approximately 5 days from the above date before the study-level data is available in OPPIN.

If you have any questions about this process, please contact Teresa Downs (305-5363).

This is a:
- ☒ fully accepted submission
- ☐ partially accepted submission
- ☐ rejected submission

21-Day Screen Completed by Contractor

21-Day Expires on 9-30-13

Jacket # 524-ARA
MRID# 491955

Content Screen: Recommend to Pass/Fail

11-3 Review: Pass/Fail/NA

Overall Status: Recommend to Pass/Fail

Transfer This Jacket to:

STEPHEN SCHAIBLE

PRIA 3 – 21 Day Content Screen Review Worksheet

(EPA/OPP Use Only)

September 2012

21 Day Screen Start Date: 9-9-13

Experts In-Processing Signature: B.B. Date 9-13-13 Fee Paid: Yes ✓

Division management contacted on issues No_____Yes_____Date_____

EPA Reg. Number: 524-ARA	EPA Receipt Date: 9-9-13

	Items for Review			Yes	No	N/A*
1	**Application Form** (EPA Form 8570-1) signed & complete including package type			X		
2	**Confidential Statement of Formula** all boxes completed, form signed, and dated (EPA Form 8570-4)			X		
	a) All inerts, including fragrances, approved for the proposed uses (see Footnote A)	**yes** X	**no**			
3	**Certification with Respect to Citation of Data** (EPA Form 8570-34) completed and signed (N/A if 100% repack)			X		
	Certificate and data matrix consistent			X		
	If applicant is relying on data that are compensable, is the offer to pay statement included. (see Footnote B)	**yes**	**no**			
	If applicable, is there a letter of Authorization for exclusive use only.					
4	**Formulator's Exemption Statement** (EPA Form 8570-27) completed and signed (N/A if source is unregistered or applicant owns the technical)			X		
5	**Data Matrix** (EPA Form 8570-35) both internal and external copies (PR 98-5) completed and signed (N/A if 100% repack)			X		
	a) Selective Method (Fee category experts use)	**yes**	**no**			
	b) Cite-All (Fee category experts use)					
	c) Applicant owns all data (Fee category experts use)					
6	**5 Copies of Label (Electronic labels on CD are encouraged and guidance is available)**			X		
7	**Is the data package consistent with PR Notice 86-5**			X		
8	**Notice of Filing included with petitions**					X

9	**If applicable for conventional applications, <u>reduced risk rationale</u>**			X
	<u>Required Data</u> and/or data waivers. See Footnote C.			
10	a) List study (or studies) not included with application			

Comments: Studies passed 11-3 review. Pass

491955 e-sub

Inerts approved for Food Use under 40CFR 180.920, Pre-Harvest Application to Growing Crops.

9/19/13 - An e-mail was sent to the registrant regarding the certification form, which is required.

9/30/13 - Received form.

TJ

* N/A – Not Applicable

Footnotes

A. During the 21 day initial content review, all CSFs will be reviewed to determine whether all inerts listed, including fragrances, are approved for the proposed uses or have an application pending with the Agency. If an unapproved inert with no application pending with the Agency is identified, the applicant must either 1) resolve the inert issue by, for example, removing the inert, substituting it with an approved inert, submitting documentation that EPA approved the inert for the proposed pesticidal uses, correcting mistakes on the CSF, etc. or 2) provide the data to support OPP approval of the inert or 3) withdraw the application. Removing or substituting an inert ingredient will require a new CSF and may require submission of data. All information, forms, data and documentation resolving the inert issue must have been received by the Agency or the application withdrawn within the 21 day period, otherwise, the Agency will reject the application as described below.

To successfully complete this aspect of the 21 day initial content screen, applicants are **strongly encouraged** to verify that all inert ingredients have been approved for the application's uses or have an application pending with the Agency **even if a product is currently registered** by consulting the inert Web site and if the inert is not approved nor has an application pending with the Agency, to **obtain the necessary inert approval prior to submitting an application to register a pesticide product containing that inert ingredient.** Some inert ingredients are no longer approved for food uses or certain types of uses. The name and/or CAS number on a CSF must match the name and CAS number on this web site. Simple typographical errors in the name or CAS number have resulted in processing delays.

If an inert is not listed on the inert ingredient web site and the applicant believes that the inert has been approved, the applicant should contact the Inert Ingredient Assessment Branch (IIAB) at inertsbranch@epa.gov and resolve the issue. Copies of the correspondence with IIAB resolving the issue should accompany the application. All new inerts except PIP inerts are reviewed by IIAB. The IIAB should also be contacted for any questions on what supporting data needs to be submitted for and the Agency's inert review process. Questions on PIP inerts should be directed to the Chief of Microbial Pesticides Branch.

When a brand, trade, or proprietary name of an inert ingredient is listed on a CSF, additional information such as an alternate name of the inert, CAS number or other information must also be included to enable the Agency to determine if it has been approved. Each component of an inert mixture (including a fragrance) must be identified. In some cases, the supplier of the mixture or fragrance may need to provide this information to the Agency. Prior to the Agency's receipt of an application, applicants must arrange with a proprietary mixture or fragrance supplier to provide the component information to the Agency or promptly upon EPA's request. If the inert ingredients in a proprietary blend (including fragrances) cannot or are not identified or provided within the 21-day content review period, the Agency will reject the application.

During the 21 day content review, applicants should submit information to the individual identified by the Agency when the applicant is informed of an unapproved inert.

Unapproved Inerts Identified on CSFs

All applications except conventional new products and PIPs

Once an unapproved inert is identified on a CSF, the Agency will contact the applicant with the following options:

1. Correct the application by, for instance, correcting the inert's identity or CAS number, providing documentation that the inert has been approved, or removing the unapproved inert from the CSF or replacing it with one that is approved for the application's uses; or

2. Provide the required information necessary to identify an inert approval application that is pending with the Agency; or

3. Submit the information and data needed for the Agency to approve the unapproved inert. If this option is selected and implemented, the Agency may request an extension in the PRIA decision review timeframe to accommodate the inert review/approval process;

4. Withdraw the application (the Agency retains 25% of the full fee for the fee category estimated); or

If none of these options is selected and implemented by the applicant within the 21 day content review period, the Agency will reject the application and retain 25% of the full fee of the category identified.

Conventional New Product Applications

When the Registration Division identifies an unapproved inert on a CSF with an application for a new product that the applicant has not identified as requiring an inert approval (R300 or R301), it will contact the applicant with the following options:

1. Correct the application by, for instance, correcting the inert's identity or CAS number, providing documentation that the inert has been approved, or removing the unapproved inert from the CSF or replacing it with one that is approved for the application's uses; or

2. Submit the information and data needed for the Agency to approve the unapproved inert, including any required petition to establish or amend a tolerance or exemption from a tolerance. (This option may change the PRIA category for the application, which could require a longer decision review time and a larger fee. If additional fees are due, they must be received by the Agency within the 21 day content review period.)

3. Withdraw the application (the Agency retains 25% of the full fee for the fee category estimated); or

If none of the above options is selected and implemented during the 21-day content-review period, the Agency will reject the application and retain 25% of the appropriate fee for the new product-inert approval category.

PIP Applications

When the Biopesticide and Pollution Prevention Division identifies an unapproved inert on a PIP CSF and a request to approve the inert does not accompany the application, it will contact the applicant with the following options:

1. Correct the application by, for instance, correcting the spelling or name of the inert to that in 40 CFR 174, or providing documentation that the inert has been approved; or

2. Submit the information and data needed for the Agency to approve the unapproved inert. If an inert ingredient tolerance exemption petition is required, the petition must be received by the Agency and the B903 fee paid within the 21 day period. If this option is selected and implemented, the Agency will discuss harmonizing the timeframe for both actions.

3. Withdraw the application (the Agency retains 25% of the full fee for the fee category estimated); or

If none of the above options is selected and implemented during the 21 day content review period, the Agency will reject the application and retain 25% of the fee.

B. A policy on documentation of offers to pay is still being developed, however, for a me-too or fast track (similar/identical) new product, R300 or A530, an application without the necessary authorizations of offers to pay will be placed into either R301 or A531. The Agency recommends that authorizations of offers to pay be submitted with other PRIA applications to avoid delays in the Agency's decision.

C. Biopesticide applicants are advised to contact the Agency and discuss study waivers prior to submitting their application to the Agency. Documentation of such discussions should be submitted with the study waiver.

Jackson, Tracy

From: Jackson, Tracy
Sent: Thursday, September 19, 2013 10:40 AM
To: 'helen.mero@monsanto.com'
Subject: Application Deficiencies (524-ARA and 524-ART)

Dear Ms. Mero,

I am contacting you regarding your submission in support of **M1769 Premix Herbicide (524-ARA) and M1768 Herbicide (524-ART)**. There were some deficiencies found in both applications.

524-ARA:

A Certification with Respect to Citation of Data form (8570-34) is required.

524-ART:

All of the guidelines are discussed in study 49195401, which is referenced on the data matrix, except for 830.1670(Discussion of formation of impurities). Is this guideline required?

Please contact me if you have any questions.

Thank you

Tracy Jackson
EPA Contractor
703-308-7227
2777 S. Crystal Drive
Arlington, VA 22202

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
WASHINGTON, D.C. 20460

September 13, 2013

OFFICE OF CHEMICAL SAFETY
AND POLLUTION PREVENTION

OPP Decision Number: D-483043
EPA File Symbol or Registration Number: 524-ARA
Product Name: Other
EPA Receipt Date: 10-Sep-2013
EPA Company Number: 524
Company Name: MONSANTO COMPANY

ERIK JANUS
MONSANTO COMPANY
1300 I STREET, NW, SUITE 450 EAST
WASHINGTON, DC 20005-

SUBJECT: Receipt of Registration Application Subject to Registration Service Fee

Dear Registrant:

The Office of Pesticide Programs has received your application and certification of payment. If you submitted data with this application, the results of the PRN-2011-3 screen will be communicated separately. During the administrative screen, the Office of Pesticide Programs has determined that this Action is subject to a Pesticide Registration Service Fee as defined in the Pesticide Registration Improvement Act.

The Action has been identified as Action Code: R310

NEW END-USE OR MANUFACTURING USE PRODUCT WITH REGISTERED SOURCE(S) OF ACTIVE INGREDIENT(S);INCLUDES PRODUCTS CONTAINING TWO OR MORE REGISTERED ACTIVE INGREDIENTS PREVIOUSLY COMBINED IN OTHER REGISTERED PRODUCTS;REQUIRES REVIEW OF DATA PACKAGE WITHIN RD ONLY;INCLUDES DATA AND/OR WAIVERS OF DATA FOR ONLY:;PRODUCT CHEMISTRY;ACUTE TOXICITY;PUBLIC HEALTH PEST EFFICACY);CHILD RESISTANT PACKAGING;

No additional payment is due at this time.

If you have any questions, please contact the Pesticide Registration Service Fee Ombudsman at (703) 308-9362.

Sincerely,

Front End Processing Staff
Information Technology & Resources Management Division

Fee for Service

{940875F~

This package includes the following

- (•) New Registration
- ( ) Amendment

☐ Studies? ☐ Fee Waiver?

☐ volpay % Reduction: ____

for Division

- ( ) AD
- ( ) BPPD
- (•) RD

Risk Mgr. 25

Receipt No. S-	940875
EPA File Symbol/Reg. No.	524-ARA
Pin-Punch Date:	9/10/2013

☐ This item is NOT subject to FFS action.

Action Code:

Requested:	R310
Granted:	R310
Amount Due: $	4,807

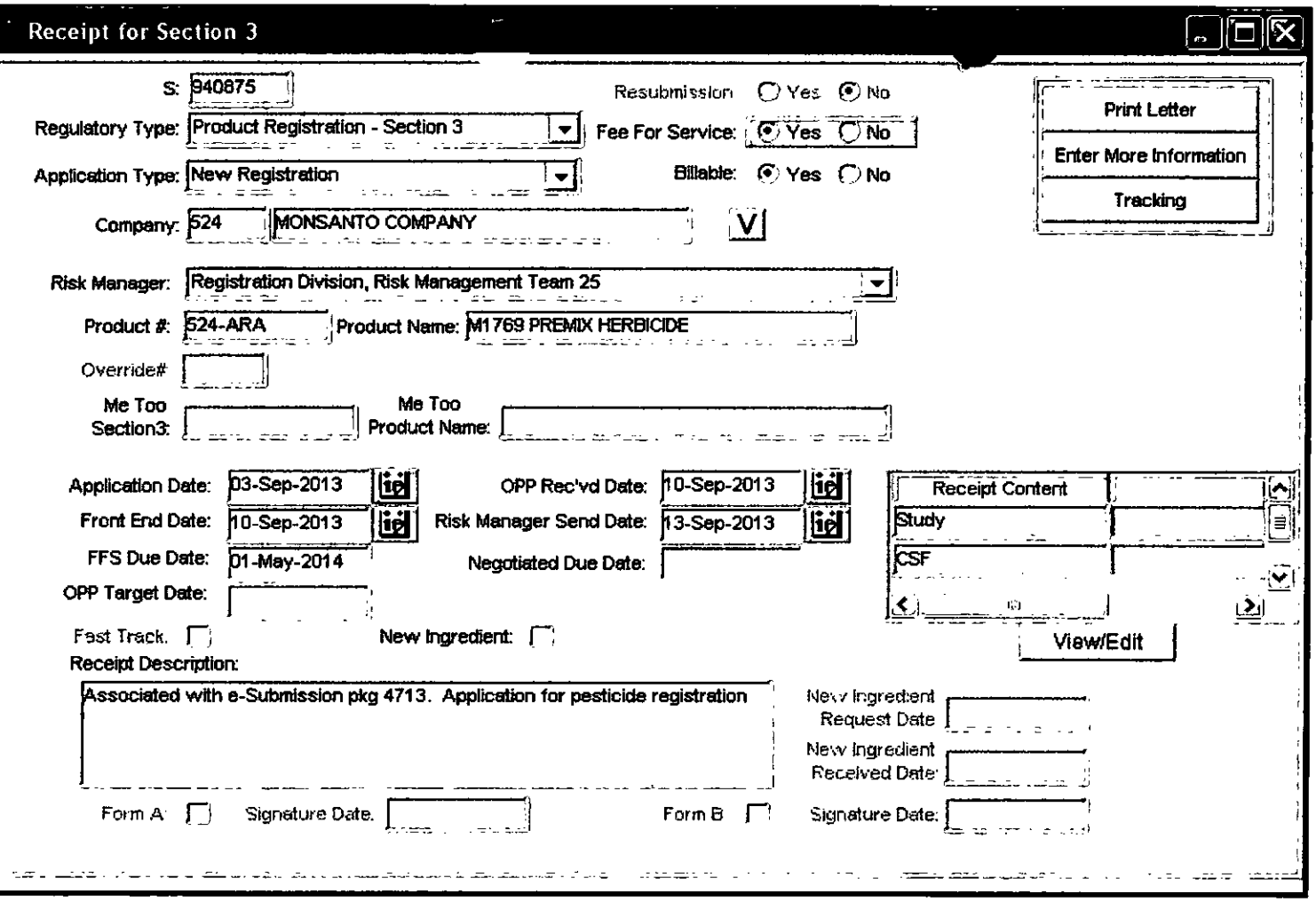
Parent/Child Decisions:

☒ Inert Cleared for Intended Use ☒ Uncleared Inert in Product

Reviewer: Steve Schaible Date: 9/12/13

Remarks:

E-SUBMISSION


Receipt for Section 3
S: 940875
Resubmission Yes No
Regulatory Type: Product Registration - Section 3
Fee For Service: Yes No
Application Type: New Registration
Billable: Yes No
Company: 524 MONSANTO COMPANY
Print Letter
Enter More Information
Tracking
Risk Manager: Registration Division, Risk Management Team 25
Product #: 524-ARA
Product Name: M1769 PREMIX HERBICIDE
Override#
Me Too Section3:
Me Too Product Name:
Application Date: 03-Sep-2013
OPP Rec'vd Date: 10-Sep-2013
Front End Date: 10-Sep-2013
Risk Manager Send Date: 13-Sep-2013
FFS Due Date: 01-May-2014
Negotiated Due Date:
OPP Target Date:
Receipt Content
Study
CSF
Fast Track.
New Ingredient:
View/Edit
Receipt Description:
Associated with e-Submission pkg 4713. Application for pesticide registration
New Ingredient Request Date
New Ingredient Received Date
Form A
Signature Date.
Form B
Signature Date:

From: paygovadmin@mail.doc.twai.gov
To: MERO, HELEN [AG/1000]
Subject: Pay.gov Payment Confirmation: PRIA Service Fees
Date: Tuesday, September 03, 2013 8:10:25 AM

Your payment has been submitted to Pay.gov and the details are below. If you have any questions or you wish to cancel this payment, please contact Pay.gov Customer Service by phone at (800) 624-1373 or by email at pay.gov.clev@clev.frb.org.

Application Name: PRIA Service Fees
Pay.gov Tracking ID: 25C77POC
Agency Tracking ID: 74498434830
Transaction Type: Sale
Transaction Date: Sep 3, 2013 9:08:12 AM

Account Holder Name: Steve J Dulle
Transaction Amount: $4,807.00
Billing Address: 800 N Lindbergh Blvd
City: Saint Louis
State/Province: MO
Country: USA
Card Type: MasterCard
Card Number: **********2136

Decision Number:
Registration Number:
Company Name: Monsanto Company
Company Number: 524
Action Code: R310

THIS IS AN AUTOMATED MESSAGE. PLEASE DO NOT REPLY.

E-SUBMISSION

R 310

End Use (EP) or Manufacturing Use (MP) product or Technical Grade of the Active Ingredient (TGAI). Must submit Group A and B product chemistry data for each proposed product unless it's a 100% identical (repack): YES or (NO) (circle one)

Guideline No.	Group A: Product Chemistry Data Study Title	EP Data Submitted		MP Data Submitted		TGAI	
		Yes	No	Yes	No	Yes	No
830.1550	Product Identity & Composition	✓					
830.1600	Description of materials used to produce the product	✓					
830.1650	Description of formulation process	✓					
830.1670	Discussion on the formation of impurities	✓					
830.1700	Preliminary analysis	✓					
830.1750	Certified limits (158.345)	✓					
830.1800	Enforcement analytical method	✓					

Guideline No.	Group B: Product Chemistry Data Study Title	EP Data Submitted		MP Data Submitted		TGAI	
		Yes	No	Yes	No	Yes	No
830.6302	Color	✓					
830.6303	Physical State	✓					
830.6304	Odor	✓					
830.6313	Stability to normal and elevated temperatures metal and metal ions						
830.6314	Oxidation/Reduction (Chemical incompatibility)	✓					
830.6315	Flammability	✓					
830.6316	Explodability	✓					
830.6317	Storage stability	✓					
830.6319	Miscibility Not Required, In Study		✓				
830.6320	Corrosion Characteristics	✓					
830.6321	Dielectric Breakdown Voltage						
830.7000	pH	✓					
830.7050	UV/ Visible Absorption						
830.7100	Viscosity	✓					
830.7200	Melting Point						
830.7220	Boiling Point						
830.7300	Density	✓					
830.7370	Dissociation Constant						
830.7550	Partition Coefficient						
830.7840	Water Solubility						
830.7950	Vapor Pressure						

Grayed out = data not required

R 310

New products must either: 1) supply the product specific acute toxicity 6 pack data (listed below), or 2) provide a bridging rationale document. The bridging document directs OPP to use a currently registered set of 6 acute toxicity data and label; instead of submitting product specific data.

Guideline No.	Acute toxicity (6 pack) Study Title	Data submitted		Cited	
		Yes	No	Yes	No
870.1100	Acute Oral (LD50)	✓			
870.1200	Acute Dermal (LD50)	✓			
870.1300	Acute Inhalation (LC50)	✓			
870.2400	Acute Eye Irritation	✓			
870.2500	Acute Dermal Irritation	✓			
870.2600	Dermal Sensitization	✓			

Efficacy – which guideline is used depends on the proposed label use

Not Required

Guideline No.	Study Title	Data submitted		Cited		Comments
		Yes	No	Yes	No	
810.3100	Soil Treatments for Imported Fire Ants					
810.3200	Livestock, Poultry, Fur and Wool-Bearing Animal Treatments					
810.3300	Treatments to Control Pests of Humans and Pets					
810.3400	Mosquito, Black Fly, and Biting Midge (Sand Fly) Treatments					
810.3500	Premises Treatments					
810.3600	Structural Treatments					
810.3800	Methods for Efficacy Testing of Termite Baits					

TRANSMITTAL DOCUMENT

SUBMITTED BY
Monsanto Company
800 N. Lindbergh Blvd.
St. Louis, MO 63167

REGULATORY ACTION IN SUPPORT OF WHICH THIS PACKAGE IS SUBMITTED
Application for Registration of a New End-Use Product:
M1769 Premix Herbicide
EPA Reg. No.: 524-XXX

DATA GUIDELINES
OPPTS Series 830, 870.1100, 870.1200, 870.1300, 870.2400, 870.2500, 870.2600

TRANSMITTAL DATE
September 3, 2013

SUBMISSION NUMBER
RD 1769

LIST OF SUBMITTED DATA:

Volume	Monsanto Study Number	Author(s)/Year	Title
1	N/A	Mero, Helen 2013	Transmittal MRID: 49195500
2	PCH-2013-0254 MSL0025121	Falkler, Susan 2013	Product Chemistry Data to Support the Registration of MON 76832 as an End-Use Herbicide MRID: 49195501
3	PCH-2013-0399 MSL0025122	Falkler, Susan 2013	Product Chemistry Data to Support the Registration of MON 76863 as an End-Use Herbicide MRID: 49195502
4	EPS-2013-0201 MSL0024843	Durando, Jennifer 2013	MON 76832: Acute Oral Toxicity Up and Down Procedure in Rats – Limit Test MRID: 49195503
5	EPS-2013-0202 MSL0024844	Durando, Jennifer 2013	MON 76832: Acute Dermal Toxicity Study in Rats – Limit Test MRID: 49195504

Volume	Monsanto Study Number	Author(s)/Year	Title
6	EPS-2013-0203 MSL0024845	Durando, Jennifer 2013	MON 76832: Acute Inhalation Toxicity Study in Rats – Limit Test MRID: 49195505
7	EPS-2013-0022 MSL0024902	Lowe, Carolyn 2013	MON 76832: Primary Eye Irritation Study in Rabbits. MRID: 49195506
8	EPS-2013-0206 MSL0024853	Merrill, Daniel 2013	MON 76863: Primary Eye Irritation Study in Rabbits. MRID: 49195507
9	EPS-2013-0204 MSL0024846	Durando, Jennifer 2013	MON 76832: Primary Skin Irritation Study in Rabbits. MRID: 49195508
10	EPS-2013-0205 MSL0024847	Durando, Jennifer 2013	MON 76832: Dermal Sensitization Study in Guinea Pigs (Buehler Method). MRID: 49195509

COMPANY OFFICIAL: Helen Mero.

Helen Mero
Regulatory Affairs Manager

COMPANY NAME: Monsanto Company

COMPANY CONTACT: Erik Janus
(202) 383-2866
erik.janus@monsanto.com

Form Approved. OMB No. 2070-0060.

United States
Environmental Protection Agency
Washington, DC 20460

Formulator's Exemption Statement

(40 CFR 152.85)

Applicant's Name and Address	EPA File Symbol/Registration Number
Monsanto Company 1300 I (Eye) Street, N.W. Suite 450 East Washington, DC 20005	524-XXX
	Product Name M1769 Premix Herbicide
	Date of Confidential Statement of Formula *(EPA Form 8570-4)* 09/03/2013

As an authorized representative of the applicant for registration of the product identified above, I certify that:

(1) This product contains the following active ingredient(s):

Dicamba.

(2) Of these, each active ingredient listed in paragraph (4) is present solely as the result of the use of that active ingredient in the manufacturing, formulation or repackaging another product which contains that active ingredient which is registered under FIFRA Section 3, is purchased by us from another producer, and is labeled for at least each use for which my product is proposed to be labeled.

(3) Indicate by checking (A) or (B) below which paragraph applies:

☐ (A) An accurate Confidential Statement of Formula *(EPA FORM 8570-4)* for the above identified product is attached to this statement. That formula statement indicates, by company name, registration number, and product name, the source of the active ingredient(s) listed in paragraph (1).

OR

☒ (B)The Confidential Statement of Formula (CSF)(EPA Form 8570-4) referenced above and on file with the EPA is complete, current, and accurate and contains the information required on the current CSF.

(4) The following active ingredients in this product qualify for the formulator's exemption.

Source

Active Ingredient	Product Name	Registration Number
Dicamba	[redacted]	[redacted]

Product ingredient source information may be entitled to confidential treatment

E-SUBMISSION

Signature	Name and Title	Date
Helen Mero.	Helen Mero/ Regulatory Affairs Mgr.	09/03/2013

Form Approved OMB Nos. 2070-0060; 2070-0057; 2070-0107; 2070-0122; 2070-0164

EPA

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
1200 Pennsylvania Avenue, N.W.
WASHINGTON, D.C. 20460

Paperwork Reduction Act Notice: The public reporting burden for this collection of information is estimated to average 1.25 hours per response for registration and 0.25 hours per response for reregistration and special review activities, including time for reading the instructions and completing the necessary forms, Send comments regarding burden estimate or any other aspect of this collection of information, including suggestions for reducing the burden to: Director, Collection Strategies Division (2822T), U.S. Environmental Protection Agency, 1200 Pennsylvania Avenue, N.W., Washington DC, 20460. Do not send the completed form to this address.

Certification with Respect to Citation of Data

Applicant's/Registrant's Name, Address, and Telephone Number:	EPA Registration Number / File Symbol:
Monsanto Company 1300 I St., N.W., Washington, DC 20005 (202) 383-2866	524-XXX
Active Ingredient(s) and/or representative test compound(s):	Date:
Glyphosate and Dicamba	September 3, 2013
General Use Pattern(s) (list all those claimed for this product using 40 CFR Part 158)	Product Name :
Terrestrial food crop and non-food crop (in between-crop applications, non-glyphosate tolerant corn, field corn hybrids with RR2 Technology, cotton, grain sorghum (milo), soybean, and sugarcane)	M1769 Premix Herbicide

NOTE: If your product is a 100% repackaging of another purchased EPA-registered product labeled for all the same uses on your label, you do not need to submit this form. You must submit the Formulator's Exemption Statement (EPA Form 8570-27).

☐ I am responding to a Data-Call-in Notice, and have included with this form a list of companies sent offers of compensation (the Data Matrix form should be used for this purpose).

Section I: METHOD OF DATA SUPPORT (Check one method only)

☐ I am using the cite-all method of support, and have included with this form a list of companies set offers of compensation (the Data Matrix Form should be used for this purpose).

☒ I am using the selective method of support (or cite-all option under the selective method), and have included with this form a completed list of data requirements (the Data Matrix form must be used).

Section II: GENERAL OFFER TO PAY

☐ [Required if using the cite-all method or when using the cite-all option under the selective method to satisfy one or more data requirements]
I hereby offer and agree to pay compensation, to other persons, with regard to the approval of this application, to the extent required by FIFRA.

Section III: CERTIFICATION

☐ I certify that this application for registration, this form for reregistration, or this Data-Call-In response is supported by all data submitted or cited in the application for registration, the form for registration, or the Data-Call-In response. In addition, if the cite-all option or cite-all option under the selective method is indicated in Section I, this application is supported by all data in the Agency's files that (1) concern the properties or effects of this product or an identical or substantially similar product, one or more of the ingredients in this product; and (2) is a type of data that would be required to be submitted under the data requirements in effect on the date of approval of this application if the application sought the initial registration of a product of identical or similar composition and uses.

☐ I certify that for each exclusive use study cited in support of this registration or reregistration, that I am the original data submitter or that I have obtained the written permission of the original data submitter to cite that study.

☒ I certify that for each study cited in support of this registration or reregistration that is not an exclusive use study, either: (a) I am the original data submitter; (b) I have obtained the permission of the original data submitter to use the study in support of this application; (c) all periods of eligibility for compensation have expired for the study; (d) the study is in the public literature; or (e) I have notified in writing the company that submitted the study and have offered (i) to pay compensation to the extent required by sections 3(c)(1)(F) and/or 3(c)(2)(B) of FIFRA; and (ii) to commence negotiations to determine the amount and terms of compensation, if any, to be paid for the use of the study.

☐ I certify that in all instances where an offer of compensation is required, copies of all offers to pay compensation and evidence of their delivery in accordance with sections 3(c)(1)(F) and/or 3(c)(2)(B) of FIFRA are available and will be submitted to the Agency upon request. Should I fail to produce such evidence to the Agency upon request, I understand that the Agency may initiate action to deny, cancel or suspend the registration of my product in conformity with FIFRA.

I certify that the statements I have made on this form and all attachments to it are true, accurate, and complete. I acknowledge that any knowingly false of misleading statement may be punishable by fine or imprisonment of both under the applicable law.

Signature	Date	Typed or Printed Name and Title
Helen Mero.	September 3, 2012	Helen Mero Regulatory Affairs Manager

EPA Form 8570-34 (12-2003) Electronic and Paper versions available. Submit only Paper version

Pages 167-205 - *Claimed confidential by submitter*

Form Approved OMB No. 2070-0060

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UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
401 M Street, S.W.
Washington, D.C. 20460

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DATA MATRIX

Date: September 3, 2013	EPA Reg. No./File Symbol: 524- XXX	Page 1 of 2
Applicant's/Registrant's Name & Address: Monsanto Company, 1300 I (Eye) Street, N.W., Suite 450 East, Washington, D.C. 20005	**Product:** M1769 Premix Herbicide	

Ingredient **Glyphosate and Dicamba**

Guideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status	Note
[redacted]			Monsanto Company	OWN	
			Monsanto Company	OWN	
			Monsanto Company	OWN	
			Monsanto Company	OWN	
			Monsanto Company	OWN	
			Monsanto Company	OWN	
			Monsanto Company	OWN	

Signature	Name and Title	Date
Helen Mero. E-SUBMISSION	Helen Mero Regulatory Affairs Manager	September 3, 2013

EPA Form 8570-35 (9-97) Electronic and Paper versions available. Submit only Paper version.

Form Approved OMB No. 2070-0060

EPA

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
401 M Street, S.W.
Washington, D.C. 20460

DATA MATRIX

Date: September 3, 2013	**EPA Reg. No./File Symbol:** 524- XXX	Page 2 of 2
Applicant's/Registrant's Name & Address: Monsanto Company, 1300 I (Eye) Street, N.W., Suite 450 East, Washington, D.C. 20005	**Product:** M1769 Premix Herbicide	

Ingredient **Glyphosate and Dicamba**

Guideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status	Note
[redacted]			Monsanto Company	OWN	
			Monsanto Company	OWN	

Signature	Name and Title	Date
Helen Mero.	Helen Mero Regulatory Affairs Manager	September 3, 2013

Public Data Matrix: M1769 Premix Herbicide, EPA Reg. No. 524-XXX

Contains Trade Secret or Otherwise Confidential Information of Monsanto Company

PRODUCT CHEMISTRY
40 CFR 158.300 - 158.355 (830 Series)

NO.	STUDY NAME	DATA REQ'D	EPA MRID NUMBER	SUBMIT DATE	MONSANTO DOCUMENT NUMBER	SUBMITTER	STATUS
PRODUCT IDENTITY AND COMPOSITION							
[redacted]							

Signature: Helen Mero. Helen Mero, Regulatory Affairs Manager

NR: See Appendix E for Explanation of Non-Required Data

Public Data Matrix: M1769 Premix Herbicide, EPA Reg. No. 524-XXX

Contains Trade Secret or Otherwise Confidential Information of Monsanto Company

PRODUCT CHEMISTRY
40 CFR 158.300 - 158.355 (830 Series)

NO.	STUDY NAME	DATA REQ'D	EPA MRID NUMBER	SUBMIT DATE	MONSANTO DOCUMENT NUMBER	SUBMITTER	STATUS
[redacted]							
PHYSICAL AND CHEMICAL CHARACTERISTICS							
[redacted]							

NR: See Appendix E for Explanation of Non-Required Data

Public Data Matrix: M1769 Premix Herbicide, EPA Reg. No. 524-XXX

Contains Trade Secret or Otherwise Confidential Information of Monsanto Company

PRODUCT CHEMISTRY
40 CFR 158.300 - 158.355 (830 Series)

NO.	STUDY NAME	DATA REQ'D	EPA MRID NUMBER	SUBMIT DATE	MONSANTO DOCUMENT NUMBER	SUBMITTER	STATUS
[redacted]							

NR: See Appendix E for Explanation of Non-Required Data

Public Data Matrix: M1769 Premix Herbicide, EPA Reg. No. 524-XXX

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TOXICOLOGY
40 CFR 158.500
(870 Series)

NO.	STUDY NAME	DATA REQ'D	EPA MRID NUMBER	SUBMIT DATE	MONSANTO DOCUMENT NUMBER	SUBMITTER	STATUS
ACUTE TESTING:							
[redacted]							
SUBCHRONIC TESTING:							
[redacted]							

NR: See Appendix E for Explanation of Non-Required Data

Public Data Matrix: M1769 Premix Herbicide, EPA Reg. No. 524-XXX

Contains Trade Secret or Otherwise Confidential Information of Monsanto Company

TOXICOLOGY
40 CFR 158.500
(870 Series)

NO.	STUDY NAME	DATA REQ'D	EPA MRID NUMBER	SUBMIT DATE	MONSANTO DOCUMENT NUMBER	SUBMITTER	STATUS
[redacted]							
CHRONIC TESTING							
[redacted]							
DEVELOPMENTAL TOXICITY AND REPRODUCTION							
[redacted]							
MUTAGENICITY TESTING							
[redacted]							

NR: See Appendix E for Explanation of Non-Required Data

Public Data Matrix: M1769 Premix Herbicide, EPA Reg. No. 524-XXX

Contains Trade Secret or Otherwise Confidential Information of Monsanto Company

TOXICOLOGY
40 CFR 158.500
(870 Series)

NO.	STUDY NAME	DATA REQ'D	EPA MRID NUMBER	SUBMIT DATE	MONSANTO DOCUMENT NUMBER	SUBMITTER	STATUS
[redacted]							
SPECIAL TESTING:							
[redacted]							

NR: See Appendix E for Explanation of Non-Required Data

Public Data Matrix: M1769 Premix Herbicide, EPA Reg. No. 524-XXX

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ECOLOGICAL EFFECTS
40 CFR 158.630
(850 Series)

NO.	STUDY NAME	DATA REQ'D	EPA MRID NUMBER	SUBMIT DATE	MONSANTO DOCUMENT NUMBER	SUBMITTER	STATUS
AVIAN AND MAMMALIAN TESTING:							
[redacted]							
AQUATIC ORGANISM TESTING:							
[redacted]							

NR: See Appendix E for Explanation of Non-Required Data

Public Data Matrix: M1769 Premix Herbicide, EPA Reg. No. 524-XXX

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ECOLOGICAL EFFECTS
40 CFR 158.630
(850 Series)

NO.	STUDY NAME	DATA REQ'D	EPA MRID NUMBER	SUBMIT DATE	MONSANTO DOCUMENT NUMBER	SUBMITTER	STATUS
[redacted]							
INSECT POLLINATOR TESTING							

NR: See Appendix E for Explanation of Non-Required Data

Public Data Matrix: M1769 Premix Herbicide, EPA Reg. No. 524-XXX

Contains Trade Secret or Otherwise Confidential Information of Monsanto Company

ECOLOGICAL EFFECTS
40 CFR 158.630
(850 Series)

NO.	STUDY NAME	DATA REQ'D	EPA MRID NUMBER	SUBMIT DATE	MONSANTO DOCUMENT NUMBER	SUBMITTER	STATUS
[redacted]							
OTHER TERRESTRIAL AND AQUATIC NONTARGET ORGANISM DATA							
[redacted]							

NR: See Appendix E for Explanation of Non-Required Data

Public Data Matrix: M1769 Premix Herbicide, EPA Reg. No. 524-XXX

Contains Trade Secret or Otherwise Confidential Information of Monsanto Company

ECOLOGICAL EFFECTS
40 CFR 158.630
(850 Series)

NO.	STUDY NAME	DATA REQ'D	EPA MRID NUMBER	SUBMIT DATE	MONSANTO DOCUMENT NUMBER	SUBMITTER	STATUS
[redacted]							

NR: See Appendix E for Explanation of Non-Required Data

Public Data Matrix: M1769 Premix Herbicide, EPA Reg. No. 524-XXX

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PLANT PROTECTION
40 CFR 158.660
(850 Series)

NO.	STUDY NAME	DATA REQ'D	EPA MRID NUMBER	SUBMIT DATE	MONSANTO DOCUMENT NUMBER	SUBMITTER	STATUS
TARGET AREA PHYTOTOXICITY							
[redacted]							
NONTARGET AREA PHYTOTOXICITY							
[redacted]							

NR: See Appendix E for Explanation of Non-Required Data

Public Data Matrix: M1769 Premix Herbicide, EPA Reg. No. 524-XXX

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POST-APPLICATION EXPOSURE DATA
40 CFR 158.1070
(875 Series)

NO.	STUDY NAME	DATA REQ'D	EPA MRID NUMBER	SUBMIT DATE	MONSANTO DOCUMENT NUMBER	SUBMITTER	STATUS
POST-APPLICATION EXPOSURE DATA REQUIREMENTS							
[redacted]							

NR: See Appendix E for Explanation of Non-Required Data

Public Data Matrix: M1769 Premix Herbicide, EPA Reg. No. 524-XXX

Contains Trade Secret or Otherwise Confidential Information of Monsanto Company

ENVIRONMENTAL FATE
40 CFR 158.1300
(835 Series)

NO.	STUDY NAME	DATA REQ'D	EPA MRID NUMBER	SUBMIT DATE	MONSANTO DOCUMENT NUMBER	SUBMITTER	STATUS
DEGRADATION STUDIES - LABORATORY							
[redacted]							
METABOLISM STUDIES - LABORATORY							
[redacted]							
MOBILITY STUDIES							
[redacted]							
DISSIPATION STUDIES - FIELD							
[redacted]							

NR: See Appendix E for Explanation of Non-Required Data

Public Data Matrix: M1769 Premix Herbicide, EPA Reg. No. 524-XXX

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ENVIRONMENTAL FATE
40 CFR 158.1300
(835 Series)

NO.	STUDY NAME	DATA REQ'D	EPA MRID NUMBER	SUBMIT DATE	MONSANTO DOCUMENT NUMBER	SUBMITTER	STATUS
[redacted]							
ACCUMULATION STUDIES							
[redacted]							

NR: See Appendix E for Explanation of Non-Required Data

Public Data Matrix: M1769 Premix Herbicide, EPA Reg. No. 524-XXX

Contains Trade Secret or Otherwise Confidential Information of Monsanto Company

RESIDUE CHEMISTRY
40 CFR 158.1410
(860 Series)

NO.	STUDY NAME	DATA REQ'D	EPA MRID NUMBER	SUBMIT DATE	MONSANTO DOCUMENT NUMBER	SUBMITTER	STATUS
SUPPORTING INFORMATION							
[redacted]							
NATURE OF THE RESIDUE							
[redacted]							
ANALYTICAL METHODS							
[redacted]							
MAGNITUDE OF THE RESIDUE							
[redacted]							

NR: See Appendix E for Explanation of Non-Required Data

Public Data Matrix: M1769 Premix Herbicide, EPA Reg. No. 524-XXX

Contains Trade Secret or Otherwise Confidential Information of Monsanto Company

RESIDUE CHEMISTRY 40 CFR 158.1410 (860 Series)	NO.	STUDY NAME	DATA REQ'D	EPA MRID NUMBER	SUBMIT DATE	MONSANTO DOCUMENT NUMBER	SUBMITTER	STATUS
RESIDUE CHEMISTRY APPENDIX A		NATURE OF THE RESIDUE: PLANTS						

NR: See Appendix E for Explanation of Non-Required Data

Public Data Matrix: M1769 Premix Herbicide, EPA Reg. No. 524-XXX

Contains Trade Secret or Otherwise Confidential Information of Monsanto Company

RESIDUE CHEMISTRY
40 CFR 158.1410
(860 Series)

NO.	STUDY NAME	DATA REQ'D	EPA MRID NUMBER	SUBMIT DATE	MONSANTO DOCUMENT NUMBER	SUBMITTER	STATUS
[redacted]							

NR: See Appendix E for Explanation of Non-Required Data

Public Data Matrix: M1769 Premix Herbicide, EPA Reg. No. 524-XXX

Contains Trade Secret or Otherwise Confidential Information of Monsanto Company

RESIDUE CHEMISTRY 40 CFR 158.1410 (860 Series)	NO.	STUDY NAME	DATA REQ'D	EPA MRID NUMBER	SUBMIT DATE	MONSANTO DOCUMENT NUMBER	SUBMITTER	STATUS
	[redacted]							
RESIDUE CHEMISTRY APPENDIX B	MAGNITUDE OF THE RESIDUE: CROPS, IRRIGATED CROPS, AND PROCESSED COMMODITES							
	[redacted]							

NR: See Appendix E for Explanation of Non-Required Data

Public Data Matrix: M1769 Premix Herbicide, EPA Reg. No. 524-XXX

Contains Trade Secret or Otherwise Confidential Information of Monsanto Company

RESIDUE CHEMISTRY
40 CFR 158.1410
(860 Series)

NO.	STUDY NAME	DATA REQ'D	EPA MRID NUMBER	SUBMIT DATE	MONSANTO DOCUMENT NUMBER	SUBMITTER	STATUS
[redacted]							

NR: See Appendix E for Explanation of Non-Required Data

Public Data Matrix: M1769 Premix Herbicide, EPA Reg. No. 524-XXX

Contains Trade Secret or Otherwise Confidential Information of Monsanto Company

RESIDUE CHEMISTRY
40 CFR 158.1410
(860 Series)

NO.	STUDY NAME	DATA REQ'D	EPA MRID NUMBER	SUBMIT DATE	MONSANTO DOCUMENT NUMBER	SUBMITTER	STATUS
[redacted]							

NR: See Appendix E for Explanation of Non-Required Data

Public Data Matrix: M1769 Premix Herbicide, EPA Reg. No. 524-XXX

Contains Trade Secret or Otherwise Confidential Information of Monsanto Company

RESIDUE CHEMISTRY
40 CFR 158.1410
(860 Series)

NO.	STUDY NAME	DATA REQ'D	EPA MRID NUMBER	SUBMIT DATE	MONSANTO DOCUMENT NUMBER	SUBMITTER	STATUS
[redacted]							

Public Data Matrix: M1769 Premix Herbicide, EPA Reg. No. 524-XXX

Contains Trade Secret or Otherwise Confidential Information of Monsanto Company

RESIDUE CHEMISTRY
40 CFR 158.1410
(860 Series)

NO.	STUDY NAME	DATA REQ'D	EPA MRID NUMBER	SUBMIT DATE	MONSANTO DOCUMENT NUMBER	SUBMITTER	STATUS
[redacted]							

NR: See Appendix E for Explanation of Non-Required Data

Public Data Matrix: M1769 Premix Herbicide, EPA Reg. No. 524-XXX

Contains Trade Secret or Otherwise Confidential Information of Monsanto Company

RESIDUE CHEMISTRY
40 CFR 158.1410
(860 Series)

NO.	STUDY NAME	DATA REQ'D	EPA MRID NUMBER	SUBMIT DATE	MONSANTO DOCUMENT NUMBER	SUBMITTER	STATUS
[redacted]							

NR: See Appendix E for Explanation of Non-Required Data

Public Data Matrix: M1769 Premix Herbicide, EPA Reg. No. 524-XXX

Contains Trade Secret or Otherwise Confidential Information of Monsanto Company

RESIDUE CHEMISTRY
40 CFR 158.1410
(860 Series)

NO.	STUDY NAME	DATA REQ'D	EPA MRID NUMBER	SUBMIT DATE	MONSANTO DOCUMENT NUMBER	SUBMITTER	STATUS
[redacted]							

NR: See Appendix E for Explanation of Non-Required Data

Public Data Matrix: M1769 Premix Herbicide, EPA Reg. No. 524-XXX

Contains Trade Secret or Otherwise Confidential Information of Monsanto Company

RESIDUE CHEMISTRY
40 CFR 158.1410
(860 Series)

NO.	STUDY NAME	DATA REQ'D	EPA MRID NUMBER	SUBMIT DATE	MONSANTO DOCUMENT NUMBER	SUBMITTER	STATUS
[redacted]							

NR: See Appendix E for Explanation of Non-Required Data

Public Data Matrix: M1769 Premix Herbicide, EPA Reg. No. 524-XXX

Contains Trade Secret or Otherwise Confidential Information of Monsanto Company

RESIDUE CHEMISTRY
40 CFR 158.1410
(860 Series)

NO.	STUDY NAME	DATA REQ'D	EPA MRID NUMBER	SUBMIT DATE	MONSANTO DOCUMENT NUMBER	SUBMITTER	STATUS
[redacted]							

NR: See Appendix E for Explanation of Non-Required Data

Public Data Matrix: M1769 Premix Herbicide, EPA Reg. No. 524-XXX

Contains Trade Secret or Otherwise Confidential Information of Monsanto Company

RESIDUE CHEMISTRY
40 CFR 158.1410
(860 Series)

NO.	STUDY NAME	DATA REQ'D	EPA MRID NUMBER	SUBMIT DATE	MONSANTO DOCUMENT NUMBER	SUBMITTER	STATUS
[redacted]							

Public Data Matrix: M1769 Premix Herbicide, EPA Reg. No. 524-XXX

Contains Trade Secret or Otherwise Confidential Information of Monsanto Company

RESIDUE CHEMISTRY
40 CFR 158.1410
(860 Series)

NO.	STUDY NAME	DATA REQ'D	EPA MRID NUMBER	SUBMIT DATE	MONSANTO DOCUMENT NUMBER	SUBMITTER	STATUS
[redacted]							

NR: See Appendix E for Explanation of Non-Required Data

Public Data Matrix: M1769 Premix Herbicide, EPA Reg. No. 524-XXX

Contains Trade Secret or Otherwise Confidential Information of Monsanto Company

RESIDUE CHEMISTRY
40 CFR 158.1410
(860 Series)

NO.	STUDY NAME	DATA REQ'D	EPA MRID NUMBER	SUBMIT DATE	MONSANTO DOCUMENT NUMBER	SUBMITTER	STATUS
[redacted]							

NR: See Appendix E for Explanation of Non-Required Data

Public Data Matrix: M1769 Premix Herbicide, EPA Reg. No. 524-XXX

Contains Trade Secret or Otherwise Confidential Information of Monsanto Company

RESIDUE CHEMISTRY 40 CFR 158.1410 (860 Series)	NO.	STUDY NAME	DATA REQ'D	EPA MRID NUMBER	SUBMIT DATE	MONSANTO DOCUMENT NUMBER	SUBMITTER	STATUS
[redacted]								
RESIDUE CHEMISTRY APPENDIX C	[redacted]	MAGNITUDE OF THE RESIDUE: POTABLE WATER	[redacted]					

Public Data Matrix: M1769 Premix Herbicide, EPA Reg. No. 524-XXX

Contains Trade Secret or Otherwise Confidential Information of Monsanto Company

RESIDUE CHEMISTRY 40 CFR 158.1410 (860 Series)	NO.	STUDY NAME	DATA REQ'D	EPA MRID NUMBER	SUBMIT DATE	MONSANTO DOCUMENT NUMBER	SUBMITTER	STATUS
RESIDUE CHEMISTRY APPENDIX D	MAGNITUDE OF THE RESIDUE: FISH							
	[redacted]							

Public Data Matrix: M1769 Premix Herbicide, EPA Reg. No. 524-XXX

Contains Trade Secret of Otherwise Confidential Information of Monsanto Company

APPENDIX E	EXPLANATION OF DATA NOT REQUIRED TO SUPPORT REGISTRATION

	No.	Study Name	EXPLANATION
40 CFR 158.300 - 158.355		PRODUCT CHEMISTRY	
40 CFR 158.500		TOXICOLOGY	

Contains Trade Secret of Otherwise Confidential Information of Monsanto Company

APPENDIX E	EXPLANATION OF DATA NOT REQUIRED TO SUPPORT REGISTRATION

	No.	Study Name	EXPLANATION
40 CFR 158.630		TERRESTRIAL AND AQUATIC NONTARGET ORGANISM DATA REQUIREMENTS	
	[redacted]		
40 CFR 158.660		NONTARGET PLANT PROTECTION DATA REQUIREMENTS	
	[redacted]		
40 CFR 158.1070		POST-APPLICATION EXPOSURE DATA REQUIREMENT	
	[redacted]		
40 CFR 158.1300		ENVIRONMENTAL FATE DATA REQUIREMENTS	
	[redacted]		

Public Data Matrix: M1769 Premix Herbicide, EPA Reg. No. 524-XXX

Contains Trade Secret of Otherwise Confidential Information of Monsanto Company

APPENDIX E	EXPLANATION OF DATA NOT REQUIRED TO SUPPORT REGISTRATION

No.	Study Name	EXPLANATION
[redacted]		
40 CFR 158.240	RESIDUE CHEMISTRY DATA REQUIREMENTS	
[redacted]		

Data Matrix: M1769 Premix Herbicide, EPA Reg. No. 524-XXX

TOXICOLOGY
40 CFR 158.500
(870 Series)

GUIDELINE NO.	STUDY NAME	DATA REQ'D	EPA MRID NUMBER	SUBMIT DATE	MONSANTO DOCUMENT NUMBER	SUBMITTER	STATUS
ACUTE TESTING:							
[redacted]						Monsanto	OWN
						Monsanto	OWN
SUBCHRONIC TESTING:							
[redacted]						Monsanto	OWN
						Monsanto	OWN
						Monsanto	OWN
						Monsanto	OWN
						Monsanto	OWN
						Monsanto	OWN
CHRONIC TESTING:							
[redacted]						Monsanto	OWN
						Monsanto	OWN
						Monsanto	OWN
						Monsanto	OWN
						Monsanto	OWN
						Monsanto	OWN
						Monsanto	OWN
MUTAGENICITY TESTING:							
[redacted]						Monsanto	OWN
						Monsanto	OWN
						Monsanto	OWN
						Monsanto	OWN
						Monsanto	OWN

Data Matrix: M1769 Premix Herbicide, EPA Reg. No. 524-XXX

TOXICOLOGY
40 CFR 158.500
(870 Series)

GUIDELINE NO.	STUDY NAME	DATA REQ'D	EPA MRID NUMBER	SUBMIT DATE	MONSANTO DOCUMENT NUMBER	SUBMITTER	STATUS
[redacted]						Monsanto	OWN
						Monsanto	OWN
						Monsanto	OWN
						Monsanto	OWN
						Monsanto	OWN
						Monsanto	OWN
						Monsanto	OWN
NEUROTOXICITY TESTING							
[redacted]						Monsanto	OWN
						Monsanto	OWN
METABOLISM TESTING							
[redacted]						Monsanto	OWN
						Monsanto	OWN

[redacted]

Data Matrix: M1769 Premix Herbicide, EPA Reg. No. 524-XXX

ECOLOGICAL EFFECTS 40 CFR 158.630 AND 158.660 (850 Series)

GUIDELINE NO.	STUDY NAME	DATA REQ'D	EPA MRID NUMBER	SUBMIT DATE	MONSANTO DOCUMENT NUMBER	SUBMITTER	STATUS
INFORMATION TO SUPPORT AN ENDANGERED SPECIES ASSESSMENT							
[redacted]						Monsanto	OWN
						Monsanto	OWN
						Monsanto	OWN
						Monsanto	OWN
						Monsanto	OWN
						Monsanto	OWN
						Monsanto	OWN
						Monsanto	OWN
						Monsanto	OWN
						Monsanto	OWN
						Monsanto	OWN
						Monsanto	OWN

Data Matrix: M1769 Premix Herbicide, EPA Reg. No. 524-XXX

RESIDUE CHEMISTRY 40 CFR 158.1410 (860 Series)

GUIDELINE NO.	STUDY NAME	DATA REQ'D	EPA MRID NUMBER	SUBMIT DATE	MONSANTO DOCUMENT NUMBER	SUBMITTER	STATUS
NATURE OF THE RESIDUE							
[redacted]						Monsanto	OWN
						Monsanto	OWN
ANALYTICAL METHODS							
[redacted]						Monsanto	OWN
						Monsanto	OWN
MAGNITUDE OF THE RESIDUE							
[redacted]						Monsanto	OWN
						Monsanto	OWN
						Monsanto	OWN
						Monsanto	OWN
						Monsanto	OWN
						Monsanto	OWN
						Monsanto	OWN

[redacted]

Data Matrix: M1769 Premix Herbicide, EPA Reg. No. 524-XXX

ENVIRONMENTAL FATE 40 CFR 158.290 (835 Series) GUIDELINE NO.	STUDY NAME	DATA REQ'D	EPA MRID NUMBER	SUBMIT DATE	MONSANTO DOCUMENT NUMBER	SUBMITTER	STATUS
MOBILITY STUDIES:							
[redacted]						Monsanto	OWN
						Monsanto	OWN
						Monsanto	OWN
						Monsanto	OWN

Pages 247-265 - *Confidential Statements of Formula may be entitled to confidential treatment*